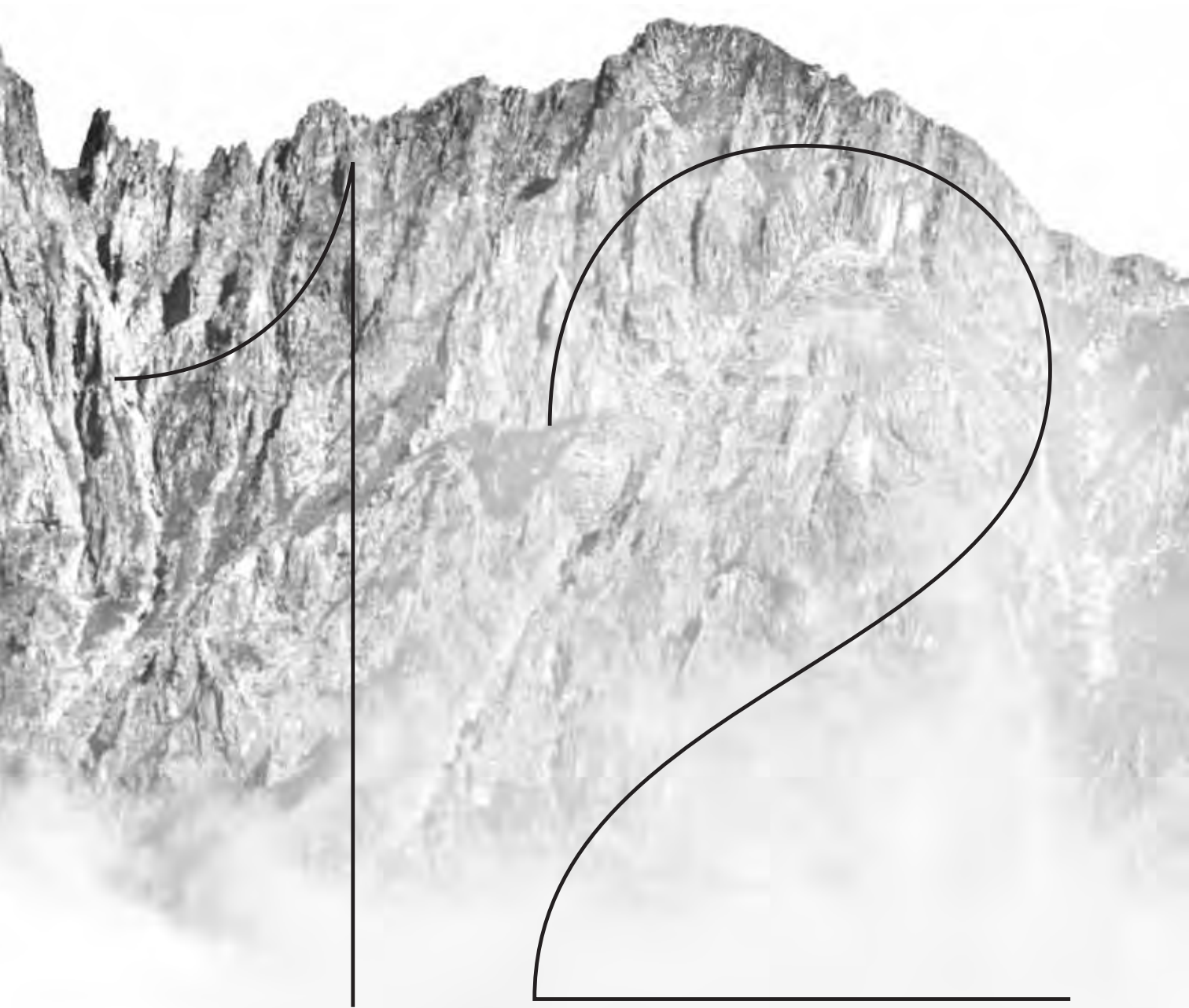




ROAD | TREKKING | TRIATHLON | CYCLOCROSS | MOUNTAIN



30

YEAR
ANNIVERSARY

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American Classic continues to change the face of cycling componentry to improve your cycling experience. To build something truly different American Classic's engineer, Bill Shook and our technical staff work together through every stage of product development and production. It's a partnership that makes innovation possible and that's exactly how our new products were created.

We have been very busy creating new technology in 2012, our 30th Anniversary year. The new line features Road Tubeless wheels, MTB Race Tubeless 26 and 29 wheels, Terrain Tubeless 26 and 29 wheels, Magnesium wheels, 10mm Thru Axle Disc hub, Tubeless Tape, Disc Reinforcing Rings, lightweight AC Race 14/16 gauge spokes, a variety of Hub Axle Retrofit Kits and the roomiest double Wheel Bag on the market. Our 2012 Collection is the culmination of three decades of research, development and results bring the world's fastest, most advanced wheels to you.



ESSENCE

OF THE CREATIVE PROCESS

It's a long road from an idea to a quality product suitable for the American Classic brand name. The process requires team work and careful attention to detail. We are self-reliant with our own designs, assembly and quality control system. With input from our staff and the marketplace, Bill Shook spearheads a new project or existing product improvement because he sees the rider's need and wants to provide a successful solution. Bill describes his designs as "an elegant solution to an engineering question striving for a complete solution that pushes the edge of what is a possibility."

Bill Shook's design criteria for an American Classic product are first, a product must be functional and durable, then light, strong, aerodynamic and beautiful. There are no gimmicks. All products have Bill's distinctive look, minimalist, smooth curves, and large diameters. When Bill undertakes the arduous task of the design, he performs the mathematical calculations on dimensions and aerodynamics, the stress analysis, 3-D modeling and the decisions made on the metallurgical properties of the materials. When the engineering drawings are complete, the idea becomes

a custom-made prototype tested at our in-house test facility, which includes dynamic wheel, hub and seatpost test machines, a scientific microscope to study the metal and more. Bill uses the test data from our facility and input from riders to tweak and finalize designs.

The next phase is manufacturing where the idea becomes a reality. Machine tooling is designed, machines set up, and efficiency reviewed. Raw materials become products. Quality control systems are put in place for checking the product during manufacturing and the assembly process in our plant. Assembly and quality control are performed by valued staff who use state of the art instruments and gauges to check the product according to quality control protocols. Wheels require the special attention. Wheels are built in-house to rigid quality control standards and subject to careful hand finishing and tension gauge checks to ensure durability and trueness. Our staff prides itself on the care, attention and time put into the quality of all American Classic products. It is a team effort to bring the best wheels and components to you.



30 YEAR ANNIVERSARY

AMERICAN CLASSIC 2012

Three decades of research, development and results bring the world's fastest, most advanced wheels to you.

American Classic is emerging as a bicycle industry leader in the wheel and component design arena. We embrace improvement, fearlessly fusing engineering technology, quality and style into our 2012 product line. We are actively shaping the future of the bicycle industry and not sitting still to react to what others do.

Bill Shook, the founder and engineer of American Classic leaves the beaten path to seek new and innovative ways to improve bicycle technology with the single-minded purpose of making bicycle sport enjoyable for all who want to ride and race. We remain true to that chosen path. We strive for excellence and pave the way for a successful tomorrow with big picture creative thinking with you, the cyclist, in mind. Bill started riding at the age of 14. He trained hard and became a champion road and track cyclist, earning a place on the US National Team. While racing, Bill started his design career building his projects in his Dad's garage. In 1974, he created and fabricated the first large tube aluminum bicycle in the

world and raced it all over the country. While racing professionally, Bill strove to find the best equipment, the lightest tires and rims. In the 1970's in the US, fine equipment was hard to find and that is what sparked the idea of American Classic — a place where Bill could design and distribute high performance components for riders every where. After retiring from a successful racing career, Bill received a master's degree in mechanical engineering from Ohio State University. Now he had the engineering expertise and everything was in place for American Classic to become a reality. In 1982, the first products were new concepts, the lightweight water bottle cage and the revolutionary lightweight adjustable seatpost. The rest is history. American Classic now has two facilities including our own testing facility and quality control center and our assembly plant. For our 30th Anniversary, American Classic has a broad variety of unique designs in all disciplines including road, track, triathlon, cyclocross, cross country, all mountain, downhill and handcycling. All this, because Bill couldn't find the right wheels to race in the 70's.

Bill Shook
Company founder and engineer

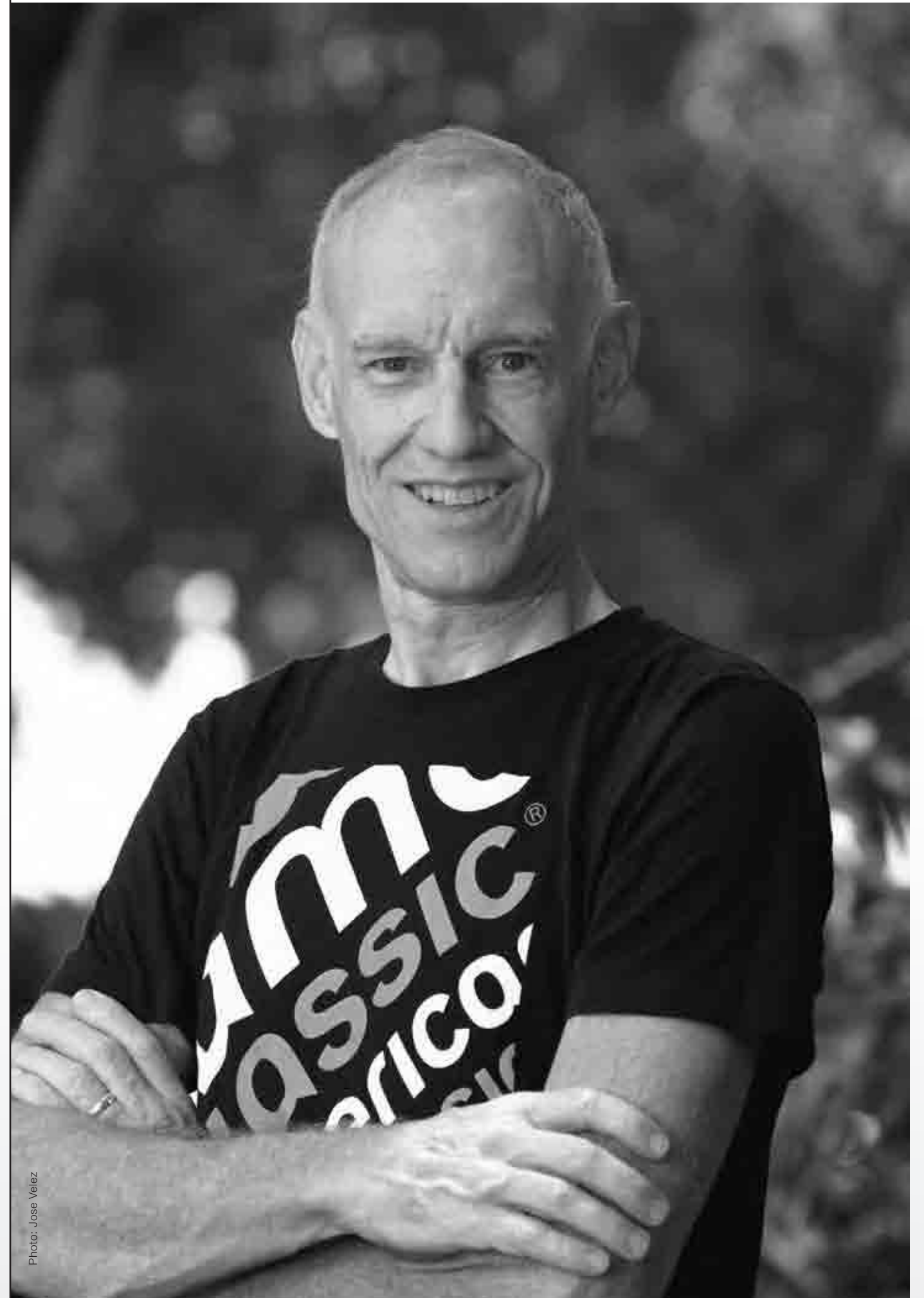


Photo: Jose Velez



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Photo: Helko Mandl © KTM Fahrrad GmbH

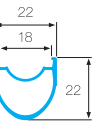
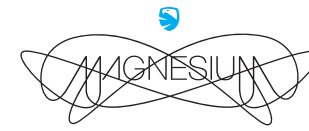
THREE GROUP

SPOKE SYSTEM

Bill Shook obsessively engineers every wheel system to its optimal "sweet spot", the balance of spoke tension, hub flange width, spoke angle and selection of the appropriate materials. After years of research and development, Bill Shook designed the American Classic three group spoke lacing for our 24 spoke rear wheel systems to build the strongest, stiffest and lightest road rear wheels in our line. We call this advanced system Series 3 for our 420 Aero 3, Magnesium, Road Tubeless and Carbon wheels. These good-looking, hand built three group spoke wheels are at the forefront of performance, aerodynamics, comfort and durability.

The concept behind this lacing pattern is to create equal spoke tension for the drive and non-drive sides of the rear wheel, a state that cannot be reached in traditionally spoked wheels. Mathematically, this unique balance of spoke tension occurs on 24 spoked rear wheels. To achieve this balance, the rims are drilled in groups of three spoke holes. The spokes are laced to our finely crafted American Classic high-low 24 spoke hub, two on the drive side of the wheel to one on the non-drive side. The result is more spokes on the drive side where the wheel needs to be strongest, and fewer spokes on the non-drive side. Bill Shook calculated the optimal position for the non-drive side hub flange to create the ideal bracing angle of the non-drive side spokes. "The three group spoke design is a better use of materials achieving the balanced use of the spokes with equal spoke tension on both sides of the rear wheel," says Shook.

The wheels are stiff and light to decisively dive into corners and power out, accelerate repeatedly, climb and descend with ease and hold speed on the flats. There are no broken spokes. No flexy feeling out of the saddle. When winning is your goal, the time-tested three group spoke wheel system delivers.



MAGNESIUM CLINCHER

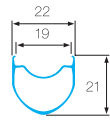
SERIES 3

American Classic is taking the first steps into new technologies and ideas. Bill Shook believes that a rider's cycling experience can be transformed with new designs and new materials. This is not the easiest choice and most are not brave enough to take a new path. Why magnesium? Magnesium is treasured in the automotive and aerospace industries for its lightness, strength and ductility. Magnesium is the perfect choice to meet our customers' demand for high-strength, lower weight bicycle rims. Magnesium is lighter than aluminum and more durable than carbon fiber. Known for its dampening qualities, magnesium absorbs road shock and vibration. Bill

Shook worked tirelessly studying the metallurgy of magnesium to find the right magnesium alloy. Bill developed proprietary manufacturing processes to roll-form thin-walled magnesium extrusions into clincher rims. As one of the final manufacturing details, each rim receives a protective coating inside and out to resist corrosion. Developing magnesium technology resulted in our unique 300 gram magnesium rims that are stiff, strong, accelerate quickly, corner hard and naturally dampen high frequency road vibration for a smooth ride. Try them to transform your cycling experience.

The new 2012 Magnesium is state-of-the-art wheel technology, unparalleled in the cycling industry. It is the fastest accelerating, best cornering race wheel available with the convenience of using clincher tires. Magnesium is lighter than aluminum and more durable than carbon, with a special ride quality of its own. The decreased rotational weight of Mag rims allow the rider to reach speed quickly and hold it longer with lower energy output. The new wide semi-aero profile, 22mm wide x 22mm deep, is stiff and includes a new brushed brake track for improved braking performance. Bill Shook selected a new special magnesium alloy for its corrosion resistance. New Series 3 spoke system and AC Race Blade spokes. Mags have the unique ability to dampen high frequency road vibration for a smooth ride.

DISCIPLINE	Road
RIMS	Magnesium 300gr Clincher Rims 700c
SPOKES	AC Race Blade 14/16 Gauge Spokes Black AC Aluminum Nipples Silver 24h Radial Front 24h 3-Cross Drive, Radial Non-Drive Rear
WEIGHT	Front 467gr Rear 641gr Pair 1108gr
HUBS/SPACING	Front Micro58 100mm Rear AC High-Low 130mm Rear Spline Shimano/SRAM 9/10 or Campagnolo 9/10/11
LOOK/COLOR	NEW AC Black Uppercut with White Hubs
INCLUDED	Kool Stop All-Weather Brake Pads
QUICK RELEASE	Cromoly QR's
EXTRAS	Ceramic Bearings TI QR's Wheel Bag



ROAD TUBELESS

SERIES 3

AC tubeless wheels take rim technology to the next level. Our mountain bikers are successfully riding and racing tubeless, and now this innovation is available for our AC road riders. Our tubeless wheels are set up with a base layer of AC fiber tape covering the spoke holes and two layers of AC honey colored tape to seal the rim. Next, install tubeless ready clincher tires and pump liquid sealant into the system through our proven AC valves. The liquid sealant replaces the conventional tube.

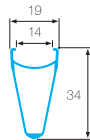
You may ask how our tubeless system works. Bill Shook designed the rim with a bead barb running along the edge of the bead shelf. When installed, the tire firmly pops into position over the bead barb. The tire bead centers and tightly grips the circumference of the rim creating a sealed environment to hold the liquid sealant without burping.

The number one reason to run tubeless wheels is to avoid flat tires. In the event of a puncture, the sealant quickly fills and closes small holes in the tire preventing flats caused by glass, metal and other debris. Pinch flats can not occur because a tube is not needed.

Our tubeless system is about speed. It lowers wheel weight at the extreme outer edge of the rim resulting in lower rolling resistance and better performance. In a traditional clincher set up, the tire and tube interface moves as the wheel rolls, creating friction and energy loss between the tire and tube because the tube is gone. Liquid sealant is lighter than a tube. You can ride lighter weight tires with our tubeless system because you don't have to use tires made with heavy, inflexible puncture layers. Overall, our tubeless system is lighter and the wheel will spin up faster with less rider energy output. And the best part is flat tires are past history.

Three decades of research, development and results bring the world's fastest, most advanced tubeless road wheels to you. Bill Shook mathematically engineered our 22mm wide, 310 gram tubeless rims for high performance and aerodynamics with convenient tubeless flat proof technology. They are simple to set up because of the pre-installed inner AC fiber tape layer and outer AC honey colored double tape layer. Add your favorite tubeless ready clincher tires and pump liquid sealant into the system through our included, proven AC tubeless valves. The liquid sealant replaces the conventional tube. Your tires seal tight without burping on the rim's large bead seat and bead barb. Low spoke count Series 3 lacing for torsional stability and stiffness. Hand built with our new AC Race Blade spokes specifically designed for this rim. Fast accelerating, nimble climbing and descending, steady cornering, smooth riding, speedy low friction rolling without flats. All this in one fast wheelset to make every ride your best.

DISCIPLINE	Road
RIMS	Road Tubeless 310gr Aluminum Clincher Rims 700c
SPOKES	AC Race Blade 14/16 Gauge Spokes Black AC Aluminum Nipples Silver 24h Radial Front 24h 3-Cross Drive, Radial Non-Drive Rear
WEIGHT	Front 519gr Rear 660gr Pair 1179gr
HUBS/SPACING	Front Micro58 100mm Rear AC High-Low 130mm Rear Spline Shimano/SRAM 9/10 or Campagnolo 9/10/11
LOOK/COLOR	NEW AC Black Uppercut with White Hubs
INCLUDED	AC Tubeless Road Tape Installed AC Tubeless Valves
QUICK RELEASE	Cromoly QR's
EXTRAS	Ceramic Bearings Ti QR's Wheel Bag Can be ridden with regular tire and tube.

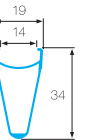


420 AERO

TRACK

Combining our track hubs with the aerodynamics of our proven 420 clincher 34mm deep rims and bladed spokes make the Track 420's a solid multi-purpose wheelset for track racing or road riding. Sprint on the track or ride fixed gear on the street on one set of wheels. They are light, fast, responsive and accelerate quickly. Strong track quality 3 / 8" x 24 Tpi bolts work with an easy to use 8mm allen key socket head. Because track wheels are repeatedly taken on and off the bike, the improved threads are steel on steel for long life. End cap contact points are large diameter serrated steel to keep the wheel from slipping. High hub flanges maximize wheel stiffness which makes bike handling easier at high speeds.

DISCIPLINE	Track Road
RIMS	420gr 34mm Aluminum Clincher Rims 700c
SPOKES	AC Bladed Spokes Black AC Aluminum Nipples Silver 20h Radial Front 24h 2-Cross Rear
WEIGHT	Front 745gr Rear 840gr Pair 1585gr
HUBS/SPACING	Front Track 100mm Rear Track 120mm, Fixed Only
LOOK/COLOR	AC Black Bigtype with White Hubs
INCLUDED	Shook Integrated Bolt System Lock Ring
EXTRAS	Ceramic Bearings Wheel Bag



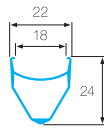
420 AERO 3

SERIES 3

The 420 Aero 3's are stronger than ever for serious riders and racers. They are the best do-it-all wheels on the market, strong enough for racing or training. The new lightweight high-low hub flange is engineered to carry balanced spoke tension on all spokes for increased side to side stiffness and strength. The Series 3 spoke system results in consistent spoke tension and shares the load equally for increased wheel durability. The 420 rim is the lightest deep section clincher rim in the world with technology designed by Bill Shook. Improved braking surface. Low spoke count bladed spokes shave weight, boost aerodynamics and stiffness. The rim profile and bladed spokes slice the wind to hold your high end cruising speed. The ride is fast, responsive and smooth with great accelerating properties, brisk climbing and speedy descents.

DISCIPLINE	Road Triathlon Cyclocross
RIMS	34mm Deep Section 420gr Aluminum Clincher Rims 700c
SPOKES	AC Bladed Spokes Black AC Aluminum Nipples Silver 18h Radial Front 24h 3-Cross Drive, Radial Non-Drive Rear
WEIGHT	Front 663gr Rear 867gr Pair 1530gr
HUBS/SPACING	Front Micro58 100mm Rear AC High-Low 130mm Rear Spline Shimano/SRAM 9/10 or Campagnolo 9/10/11
LOOK/COLOR	AC White Alphatype with Red Hubs AC Black Bigtype with White Hubs AC Pink Bigtype with White Hubs
QUICK RELEASE	Cromoly QR's
EXTRAS	Ceramic Bearings TI QR's Wheel Bag



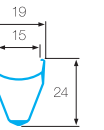


HURRICANE

The Hurricane wheelset is a high performance clincher wheel for the large and powerful road rider. A perfect choice for racing, training or cyclocross. Hurricane wheels create a balance between strength, weight, responsiveness and durability.

The rims are tough enough to handle mud, rough roads and cobblestones. Bill Shook used his design skills and geometry to make the Hurricane semi-aero rims strong and light with a rim profile of 22mm wide x 24mm deep. These wide profile rims translate into crisp accelerations, faster rolling on the flats and decisive cornering. Hurricanes are comfortable for long rides and loaded trekking. They are the wheel of choice for Sprinters and Clydesdale riders.

DISCIPLINE	Road Cyclocross Trekking
RIMS	Hurricane 400gr Aluminum Clincher Rims 700c
SPOKES	AC 14/15 Gauge Spokes Black AC Aluminum Nipples Silver 32h 3-Cross Front and Rear
WEIGHT	Front 745gr Rear 855gr Pair 1600gr
HUBS/SPACING	Front 105 100mm Rear RD 205 130mm Rear Spline Shimano/SRAM 9/10 or Campagnolo 9/10/11
LOOK/COLOR	AC Black Bigtype with White Hubs
QUICK RELEASE	Cromoly QR's
EXTRAS	Ceramic Bearings Titanium QR's Wheel Bag

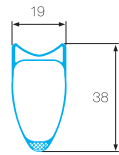


SPRINT 350

Sprint 350's are great for climbing and fast rides, everyday or race use. Responsive, smooth, and easy to spin up to speed. No gimmicks, hidden nipples or unusual spokes. The Sprint 350 rim is one of the lightest traditional aluminum road clincher rims in the world.

Bicycling Magazine said the Sprint 350's are the »lightest-per-dollar everyday wheelset we've ever found. They excel as race wheels too-not only because they spin up as quickly as you'd guess a featherweight would, but because the deepish rim wall gives just enough aero advantage for sustaining a long solo break at the threshold and despite its wispy weight and radial lacing up front (3-cross rear) the wheel doesn't noodle in the corners.« Maximize your riding potential with Sprint 350's.

DISCIPLINE	Road
RIMS	Sprint 350gr Aluminum Clincher Rims 700c
SPOKES	AC 14/15 Gauge Spokes Black AC Aluminum Nipples Silver 28h Radial Front 32h 3-Cross Rear
WEIGHT	Front 610gr Rear 800gr Pair 1410gr
HUBS/SPACING	Front Micro 58 100mm Rear RD 205 130mm Rear Spline Shimano/SRAM 9/10 or Campagnolo 9/10/11
LOOK/COLOR	AC White Alphatype with Red Hubs AC Black Bigtype with White Hubs
QUICK RELEASE	Cromoly QR's
EXTRAS	Ceramic Bearings Titanium QR's Wheel Bag

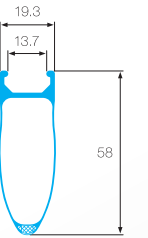


CARBON 38 TUBULAR

SERIES 3

We recommend the sleek Carbon 38's for the serious cyclist who demands speed. These state of the art wheels are light, stiff, aerodynamic and fast for road and triathlon. The proven Carbon 38's excel at criteriums, road races and time trials where re-accelerating, climbing and blistering cornering is required. The mid-v rims are stable in cross winds. Bill Shook designed the rim profile to gently curve down to the spoke bed to minimize drag by bringing the air flow back together without turbulence. New high TG resin brake surface system for improved braking. The Series 3 spoke system results in consistent spoke tension and shares the load equally for increased wheel durability. Turn a good day of racing into your personal best.

DISCIPLINE	Road Triathlon Cyclocross
RIMS	Carbon 38mm Series 3 Tubular Rims 700c
SPOKES	AC Bladed Spokes Black AC Aluminum Nipples Silver 18h Radial Front 24h 3-Cross Drive, Radial Non-Drive Rear
WEIGHT	Front 594gr Rear 776gr Pair 1370gr
HUBS/SPACING	Front Micro58 100mm Rear AC High-Low 130mm Rear Spline Shimano/SRAM 9/10 or Campagnolo 9/10/11
LOOK/COLOR	AC Black Alphanotype with Red Hubs
QUICK RELEASE	Cromoly QR's
EXTRAS	Ceramic Bearings Titanium QR's Wheel Bag
BRAKE SURFACE	New high TG resin brake surface system Carbon specific brake pads are recommended.



CARBON 58 CLINCHER

SERIES 3

Back by popular demand, the Carbon 58 Clinchers are better than ever with our high-low hub flange and the Series 3 spoke system results in consistent spoke tension and equal load sharing for increased wheel durability. They are the best of both worlds, carbon in a clincher format to use every day or as race wheels with an aerodynamic advantage. They proved durable in testing at our test facility. Bill Shook selected the aluminum bead over an all carbon bead for improved braking, and to protect the tire and avoid flats. Stiff and compliant, they hold high cruising speed with less effort. »Carbon 58 wheels roll smoothly and are notably comfortable, a surprise from a deep profile rim.« Road Bike Action Magazine. Carbon 58 Clinchers are an all around performer at an excellent price point to carry you to the win.

DISCIPLINE	Road Triathlon Cyclocross Trekking
RIMS	Carbon 58mm Series 3 Clincher Rims 700c
SPOKES	AC Bladed Spokes Black AC Aluminum Nipples Silver 18h Radial Front 24h 3-Cross Drive, Radial Non-Drive Rear
WEIGHT	Front 836gr Rear 1044gr Pair 1880gr
HUBS/SPACING	Front Micro58 100mm Rear AC High-Low 130mm Rear Spline Shimano/SRAM 9/10 or Campagnolo 9/10/11
LOOK/COLOR	AC Black Alphanotype with Red Hubs
QUICK RELEASE	Cromoly QR's
EXTRAS	Ceramic Bearings Titanium QR's Wheel Bag

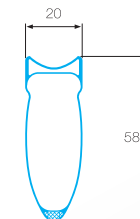
WHAT IS UNIQUE

ABOUT SERIES 3 CARBON?

American Classic has entire new line of carbon fiber wheels, engineered inside and out for top performance.

Carbon fiber is composed of extremely thin, bonded fiber made of carbon atoms. Thousands of carbon fibers are bundled together into cloth-like sheets. The sheets are combined with plastic resin. The sheets are placed into a mold with the fibers oriented in specific directions to create the desired characteristics of strength, stiffness or flexibility for the completed rim. Carbon fiber is used in wheels because of the high strength-to-weight ratio, low weight and the ability to mold the sheets into aerodynamic shapes. The subject of intense study in cycling, aerodynamics is the air flow over and around your wheels, bike and body as you ride. The goal of aerodynamics is to reduce the wind resistance called drag on your equipment, so the rider slices through the air and goes faster. At slow speeds, there is smooth air flow called laminar flow. As speed increases, the laminar flow turns to turbulent flow. There is a "sweet spot," the point of reduced drag, when the air begins to tumble over and across the wheel surfaces in turbulent flow. The key to top carbon fiber wheel design is to produce rim shapes that optimize, capture and maintain the aerodynamic sweet spot for each rim depth.

Bill Shook started the engineering process on our carbon fiber rims from the inside, dictating the direction and lay up of the fibers to form stronger internal spoke beds for structural integrity and stiffness. He then moved to the outside of each wheel, designing unique features for aerodynamic performance to achieve the "sweet spot". Carbon 38 and Carbon 50 tubulars are the most challenging shapes because of their minimal surface area. Bill designed a gentle curved shape down to the spoke bed to minimizing drag by bringing the air flow back together without turbulence. Carbon 58 tubulars and clinchers have a recurve shape under the brake track. The recurve shape creates air pressure fluctuations causing a ripple effect to induce turbulent air flow to reduce drag at higher speeds. Carbon 85 tubulars are a semi disk shape with no spokes near the leading edge of the wheel. Bill designed the large, smooth carbon surface bringing air back together reducing cavitation behind the spokes. Carbon TT Disk is the ultimate in aerodynamics with lenticular skins to sustain the sweet spot for maximized power output.

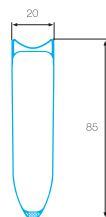


CARBON 58 TUBULAR

SERIES 3

The 58mm deep section wheelset excels where aerodynamics and holding high cruising speeds are required. They spin up aggressively fast and roll on smoothly at high-end speed. Low spoke count bladed spokes slice the wind. The new lightweight high-low hub flange is engineered to carry balanced spoke tension on all spokes for increased side to side stiffness and strength. The Series 3 spoke system results in consistent spoke tension and shares the load equally for increased wheel durability. The do-it-all 58mm wheelset is also a good choice for larger athletes and cyclocross. New high TG resin brake surface system for improved braking. A wealth of technology for the competitive rider determined to realize maximum riding potential.

DISCIPLINE	Road Triathlon Cyclocross
RIMS	Carbon 58mm Series 3 Tubular Rims 700c
SPOKES	AC Bladed Spokes Black AC Aluminum Nipples Silver 18h Radial Front 24h 3-Cross Drive, Radial Non-Drive Rear
WEIGHT	Front 612gr Rear 844gr Pair 1456gr
HUBS/SPACING	Front Micro58 100mm Rear AC High-Low 130mm Rear Spline Shimano/SRAM 9/10 or Campagnolo 9/10/11
LOOK/COLOR	AC Black Alphanotype with Red Hubs
QUICK RELEASE	Cromoly QR's
EXTRAS	Ceramic Bearings Titanium QR's Wheel Bag
BRAKE SURFACE	New high TG resin brake surface system Carbon specific brake pads are recommended.



CARBON 85 TUBULAR

SERIES 3

Carbon 85 Tubulars are for determined athletes who want to fire up their personal performance at races and events. The wheels are stiff, aerodynamic and fast. They roll on maintaining high-end speed. The deep Carbon 85 rims are a semi-disk with an air foil shape. Low spoke count bladed spokes slice the wind. Bill Shook designed the large, smooth carbon surface to bring the air flowing over the rims back together reducing cavitation behind the spokes. The lightweight high-low hub flange is engineered to carry balanced spoke tension on all spokes for increased side to side stiffness and strength. The Series 3 spoke system results in consistent spoke tension and shares the load equally for increased wheel durability. The Carbon 85 wheelset is also a good choice for larger athletes. Challenge your personal best with Carbon 85 wheels.

DISCIPLINE	Road Triathlon
RIMS	Carbon 85mm Series 3 Tubular Rims 700c
SPOKES	AC Bladed Spokes Black AC Aluminum Nipples Silver 18h Radial Front 24h 3-Cross Drive, Radial Non-Drive Rear
WEIGHT	Front 715gr Rear 901gr Pair 1616gr
HUBS/SPACING	Front Micro58 100mm Rear AC High-Low 130mm Rear Spline Shimano/SRAM 9/10 or Campagnolo 9/10/11
LOOK/COLOR	AC Black Alphatype with Red Hubs
QUICK RELEASE	Cromoly QR's
EXTRAS	Ceramic Bearings Titanium QR's Wheel Bag
BRAKE SURFACE	New high TG resin brake surface system Carbon specific brake pads are recommended.

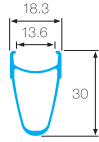


CARBON TT

DISK TUBULAR

Our new revolutionary Carbon TT Disk wheel is the union of aerodynamics with rider power transfer, the new standard for modern time trial race technology. The core is comprised of rigid nomex honeycomb polymers. The special internal hub flange is firmly bonded in place using syntactic foam mixed with microspheres. The load bearing outer carbon skins are sandwiched in place over the core under extreme pressure and then carefully heated to create the strongest, stiffest system available. Basalt brake surfaces offer consistent stopping power. Holds your high end cruising speed to maintain steady power output for long periods. A performance booster to confidently achieve your race objectives and push to new limits. Pair with our new Carbon 58 or Carbon 85 front wheel to make your bike the ultimate time trial machine.

DISCIPLINE	Road Triathlon Track
WEIGHT	Rear 1325 gr
HUBS/SPACING	Rear 130mm Rear 2 in 1 System Spline Shimano/SRAM 9/10 120mm Fixed Gear
LOOK/COLOR	AC Black Alphatype
QUICK RELEASE	Cromoly QR
EXTRAS	Titanium QR Wheel Bag
BRAKE SURFACE	Basalt brake surface Carbon specific brake pads are recommended.

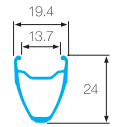


VICTORY 30

A proven product in the AC line, the deep section Victory 30 wheels allow every rider the remarkable opportunity to ride American Classic. They are an ideal balance between strength, weight and performance. Impressive aerodynamic features include the 30mm deep rim, bladed spokes and low spoke count. A very good choice for large riders.

Machined braking surface with no hidden nipples or unusual spokes. Hand built, reliable, fast and smooth. Newly improved sturdier hubs and bearings for increased durability. Modern new graphics and all the AC technology are an excellent value at a mid range price point.

DISCIPLINE	Road Trekking Triathlon Cyclocross
RIMS	Victory 30mm Deep Aluminum Clincher Rims 700c
SPOKES	AC Bladed Spokes Black AC Aluminum Nipples Silver 18h Radial Front 24h 2-Cross Rear
WEIGHT	Front 676gr Rear 916gr Pair 1592gr
HUBS/SPACING	Front Victory 100mm Rear Victory 130mm Rear Spline Shimano/SRAM 9/10
LOOK/COLOR	AC Black Bigtype with Black Hubs
QUICK RELEASE	Cromoly QR's
EXTRAS	Titanium QR's Wheel Bag

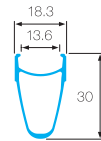


VICTORY

Victory wheels are a remarkable value offering unprecedented quality and time tested durability. Riders experience excellent performance at a mid range price point.

Machined braking surface with no hidden nipples or unusual spokes. Our attention to detail results in reliability, responsiveness, speed and comfort. This no nonsense wheelset is a good choice for the larger athlete. Newly improved sturdier bearings and hub for increased durability. Modern new graphics and all the top AC technology are an excellent value.

DISCIPLINE	Road Trekking
RIMS	Victory 24mm Deep Aluminum Clincher Rims 700c
SPOKES	AC 14/ 15 Gauge Spokes Black AC Brass Nipples Silver 24h Radial Front 28h 3-Cross Rear
WEIGHT	Front 718gr Rear 930gr Pair 1648gr
HUBS/SPACING	Front Victory 100mm Rear Victory 130mm Rear Spline Shimano/SRAM 9/10
LOOK/COLOR	AC Black Bigtype with Black Hubs
QUICK RELEASE	Cromoly QR's
EXTRAS	Titanium QR's Wheel Bag

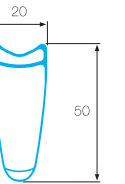


HANDCYCLE

650 C

Our good friends, Scott McNeice and Michel Bond, were the inspiration for this wheelset. We were amazed at the limited selection and heavy equipment available to handcyclists and wheelchair athletes. Bill Shook decided to redefine handcycling equipment so that everyone could enjoy improved cycling performance. AC 650C clincher rims are an aerodynamic 30mm deep profile with bladed spokes. Reliable, fast and smooth for accelerating, climbing and maintaining speed. The newly designed titanium bolt is a standard 1/2 x 24 tpi with internally recessed 8mm recessed socket head that closes securely and is easy to take on and off. Modern new graphics and all the lightweight AC technology are an excellent value for handcyclists who deserve more.

DISCIPLINE	Handcycling
RIMS	30mm Aluminum Clincher Rims 650 C
SPOKES	AC Bladed Spokes Black AC Brass Nipples Silver 24h 2-Cross Front 24h Radial Rear
WEIGHT	Front 820gr Rear 742gr Trio 2304gr
HUBS/SPACING	Front RD 205 130mm Front Spline Shimano/SRAM 9/10 or Campagnolo 9/10/11 Rear Handcycle Bolt-On Hubs
LOOK/COLOR	AC Black Roadwave with Black Hubs
QUICK RELEASE	Cromoly QR
EXTRAS	Titanium QR



HANDCYCLE

CARBON 50 TUBULAR

The sleek Carbon 50 tubulars are for the serious handcyclist in pursuit of blistering speed. They spin up aggressively fast, corner decisively, climb like a mountain goat and roll on smoothly at high-end speed. The mid-v rim depth is stable in cross winds. Bill Shook designed the rim profile to gently curve down to the spoke bed to minimize drag by bringing the air flow back together without turbulence. Impressive aerodynamic features include the 50mm deep rim, bladed spokes and low spoke count. High hub flanges for torsional stability and lateral stiffness. The newly designed titanium bolt is a standard 1/2 x 24 tpi with internally recessed 8mm recessed socket head that closes securely and is easy to take on and off. Handcycle Carbon 50's are for riders in relentless pursuit of athletic achievement.

DISCIPLINE	Handcycling
RIMS	Carbon 50mm Tubular Rims 650 C
SPOKES	AC Bladed Spokes Black AC Aluminum Nipples Silver 24h 2-Cross Front 24h Radial Rear
WEIGHT	Front 726gr Rear 650gr Trio 2026gr
HUBS/SPACING	Front RD 205 130mm Front Spline Shimano/SRAM 9/10 or Campagnolo 9/10/11 Rear Handcycle Bolt-On Hubs
LOOK/COLOR	AC Black Alphatype with Black Hubs
QUICK RELEASE	Cromoly QR
EXTRAS	Titanium QR
BRAKE SURFACE	New high TG resin brake surface system Carbon specific brake pads are recommended.



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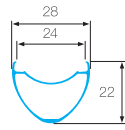
WIDE RIMS

IMPROVE CYCLING PERFORMANCE

Everybody is talking about wider rims for both road and mountain bike. What does it really mean for you, the rider? There are a few wide rim profiles on the market but they are either heavy, or too light and flexy. Bill Shook used his mathematical abilities to design our revolutionary wide rims, attaining the goal of being light, stiff, strong, aerodynamic and wide, all in one rim. To start, wide rims mean riding lighter, smaller performance tires with cushiony, high air volume and firm surface grip. Larger width tires offer more air volume but they are heavy with a sluggish ride quality. The desired combined wheel and tire qualities are achieved by stretching out the smaller tire casing on a wide rim and effectively making the tire bigger. Also, smaller tires on wide rims reduce tire roll on the rims. With a narrow rim and a wide tire, the rim floats from side to side on the tire. Using a wider rim with a smaller tire minimizes float for improved handling, confidence and control. The rim is lower weight at the extreme outer edge of the wheel decreasing rolling resistance and boosting speed. Our wider, lighter rims translate into crisp accelerations, firm ground control, faster rolling on the flats and decisive handling for the extra edge needed by competitive athletes.



Photo: Heiko Mandl, © KTM Fahrrad GmbH

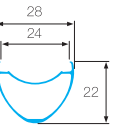


MTB RACE 26

TUBELESS

Thirty years of commitment to research and innovation yielded the world's fastest, most advanced cross country race wheels. Bill Shook designed this unique tubeless race wheel system emphasizing strength, durability and stiffness in a concept Bill calls, "multiplying lightness." The 26" rim is a whopping 28mm wide x 22mm deep and only 310 grams. Ride a smaller, lighter tire because it spreads out across the rim without sacrificing traction and handling. Our wide Race rims offer improved ground control because the tire is not floating around. Bead barb technology hooks on the tire bead to secure the tires in place without burping. New lighter 14/16 AC Race Round spokes were specially designed for this hand built wheel system. AC test riders raced these wheels all season championing their strength, quick accelerations, solid cornering, fast climbing and descending, and low maintenance. A solid choice for pure speed at full throttle power.

DISCIPLINE	MTB Cross Country
RIMS	MTB Race Tubeless 310gr Aluminum Disc Rims 26"
SPOKES	AC Race Round 14/16 Gauge Spokes Black AC Aluminum Nipples Silver 32h 3-Cross Front and Rear
WEIGHT	Front 605gr Rear 716gr Pair 1321gr
HUBS/SPACING	Front Disc 130 100mm 15mm Thru Axle Disc 100mm Rear Disc 225 135mm 10mm x 135mm Thru Axle Disc All Mountain Disc Thru Axle 12mm x 135mm X-12 142mm Thru Axle Disc
BRAKE INTERFACE	6 Bolt International Standard
LOOK/COLOR	AC Black Rawtype with White Hubs
INCLUDED	AC Tubeless MTB Tape Installed AC Tubeless Valves
QUICK RELEASE	Cromoly QR's
EXTRAS	Ceramic Bearings Titanium QR's Wheel Bag Can be ridden with regular tire and tube.

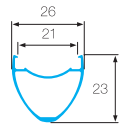


MTB RACE 29

TUBELESS

Racers are obsessed with 29ers and we've unleashed the world's fastest, most advanced 29er cross-country race wheels. Bill Shook designed this breakthrough tubeless race wheel system emphasizing strength, durability and stiffness in a concept Bill calls, "multiplying lightness." The 29" rim is a whopping 28mm wide x 22mm deep and only 340 grams. Ride smaller, lighter tires because they spread out across the wide rim without sacrificing traction and handling. The tire does not float around on our wide rim. Bead barb technology hooks on the tire bead to secure the tires in place without burping. New lighter 14/16 AC Race Round spokes were specially engineered for this hand built wheel system. Dominating at the races this season, our testers prized their speed, quick accelerations, decisive cornering, nimble climbing, speedy descents, and low maintenance. When seconds count in the relentless pursuit to win, our MTB Race 29 Tubeless wheels deliver the ultimate technological advantage.

DISCIPLINE	MTB Cross Country
RIMS	MTB Race Tubeless 340gr Aluminum Disc Rims 29"
SPOKES	AC Race Round 14/16 Gauge Spokes Black AC Aluminum Nipples Silver 32h 3-Cross Front and Rear
WEIGHT	Front 650gr Rear 769gr Pair 1419gr
HUBS/SPACING	Front Disc 130 100mm 15mm Thru Axle Disc 100mm Rear Disc 225 135mm 10mm x 135mm Thru Axle Disc All Mountain Disc Thru Axle 12mm x 135mm X-12 142mm Thru Axle Disc
BRAKE INTERFACE	6 Bolt International Standard
LOOK/COLOR	AC Black Rawtype with White Hubs
INCLUDED	AC Tubeless MTB Tape Installed AC Tubeless Valves
QUICK RELEASE	Cromoly QR's
EXTRAS	Ceramic Bearings Titanium QR's Wheel Bag Can be ridden with regular tire and tube.

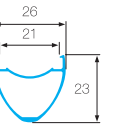


MTB 26

TUBELESS

Bill Shook's award winning tubeless cross country rim system has proved to be a magical combination of light weight as well as strength, stiffness and control. The tubeless rim is light and at 26mm wide x 23mm deep. It is wider, stiffer and supports the tire better for improved ground control. This translates into quick acceleration, more speed over rolling hills and mountain goat climbing. The wide rim keeps the tire from rolling around resulting in more control while descending. Bead barb technology hooks on the tire bead to help keep the tire in place without burping. Driven by vision and created by hard work, Bill Shook brings innovation to reality to boost your performance.

DISCIPLINE	MTB Cross Country
RIMS	MTB Tubeless Aluminum Disc Rims 26"
SPOKES	AC 14/15 Gauge Spokes Black AC Aluminum Nipples Silver 32h 3-Cross Front and Rear
WEIGHT	Front 691gr Rear 795gr Pair 1486gr
HUBS/SPACING	Front Disc 130 100mm 15mm Thru Axle Disc 100mm Rear Disc 225 135mm 10mm x 135mm Thru Axle Disc All Mountain Disc Thru Axle 12mm x 135mm X-12 142mm Thru Axle Disc
BRAKE INTERFACE	6 Bolt International Standard
LOOK/COLOR	AC White Buzzsaw with Red Hubs AC Black Rawtype with White Hubs
INCLUDED	AC MTB Tubeless Tape Installed AC Tubeless Valves
QUICK RELEASE	Cromoly QR's
EXTRAS	Ceramic Bearings Titanium QR's Wheel Bag Can be ridden with regular tire and tube.



MTB 29

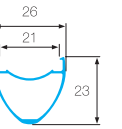
TUBELESS

We have been there since the beginning of 29ers. A new set of light wheels is the key to improved performance of your bike. This is especially true for cross country riding on 29ers, where riders search for more acceleration on climbs, speedy descents, decisive handling and faster rolling on the flat. Bill Shook dialed in this concept with the design of the tubeless 26mm wide x 23mm deep rim which is wider, stiffer and supports the tire better for more ground control. Bead barb technology hooks on the tire bead to help keep the tire in place without burping. Riders seek American Classic for the best 29ers out there to turn a good day of riding into a great day.

DISCIPLINE	MTB Cross Country
RIMS	MTB Tubeless Aluminum Disc Rims 29"
SPOKES	AC 14/15 Gauge Spokes Black AC Aluminum Nipples Silver 32h 3-Cross Front and Rear
WEIGHT	Front 748gr Rear 852gr Pair 1600gr
HUBS/SPACING	Front Disc 130 100mm 15mm Thru Axle Disc 100mm Rear Disc 225 135mm 10mm x 135mm Thru Axle Disc All Mountain Disc Thru Axle 12mm x 135mm X-12 142mm Thru Axle Disc
BRAKE INTERFACE	6 Bolt International Standard
LOOK/COLOR	AC White Buzzsaw with Red Hubs AC Black Rawtype with White Hubs
INCLUDED	AC MTB Tubeless Tape Installed AC Tubeless Valves
QUICK RELEASE	Cromoly QR's
EXTRAS	Ceramic Bearings Titanium QR's Wheel Bag Can be ridden with regular tire and tube.



Photo: Heiko Mandl, © KTM Fahrrad GmbH

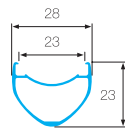


MTB 29 TUBELESS

SINGLE SPEED

Our 29er single speed wheels are about drivetrain efficiency, lower rotational mass and mechanical simplicity. The single speed hub flange spacing allows for optimal wheel dishing and triangulation building an inherently stronger wheel. The tubeless 29" rim is light and at 26mm wide x 23mm deep, it is wider, stiffer and supports the tire for improved ground control and handling. Lighter weight and stiffness translate into quick acceleration, speed over rolling hills and mountain goat climbing. Bead barb technology hooks on the tire bead to help keep the tire in place without burping. Standard cassette lock ring lets you run up to 5 gears from a Shimano/SRAM cassette to turn the hub into a multispeed system. Our single speed wheels are AC best technology delivered at the bare elements to keep your momentum flowing on the trail.

- DISCIPLINE** MTB Cross Country
- RIMS** MTB Tubeless Aluminum Disc Rim 29"
- SPOKES** AC 14/15 Gauge Spokes Black | AC Aluminum Nipples Silver
32h 3-Cross Front and Rear
- WEIGHT** Front 748gr | Rear 852gr | Pair 1600gr
- HUBS/SPACING** Front Disc 130 100mm | 15mm Thru Axle Disc 100mm
Rear Single Speed Disc Hub 135mm
- BRAKE INTERFACE** 6 Bolt International Standard
- LOOK/COLOR** AC Black Rawtype with Black Hubs
- INCLUDED** AC Tubeless MTB Tape Installed
AC Tubeless Valves Lock Ring | 18 Tooth Cog | Spacers
- QUICK RELEASE** Cromoly QR's or 8mm Socket Head Bolts
- EXTRAS** Ceramic Bearings | Titanium QR's | Wheel Bag
Can be ridden with regular tire and tube.

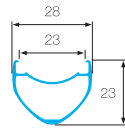


ALL MOUNTAIN 26

TUBELESS

The All Mountain Tubeless Disc wheelset is the stronger, work-horse version of our proven cross country tubeless wheels. They are durable for extremes such as drops, rough terrain and high speed. Light enough for accelerating, quick handling and firm control. Our stiff front axle systems resist fork flex. All Mountain rims are 28mm wide x 23mm deep to stiffen the tire and wheel-ground response and can handle the extra duty of free riding. Bead barb technology hooks on the tire bead to help keep the tire in place without burping. Many choices of disc hubs to dial in your equipment needs. When you are pushing the limits, this All Mountain wheelset can handle it.

- DISCIPLINE** All Mountain | MTB Cross Country
- RIMS** All Mountain Tubeless Aluminum Disc Rims 26"
- SPOKES** AC 14/15 Gauge Spokes Black | AC Aluminum Nipples Silver
32h 3-Cross Front and Rear
- WEIGHT** Front 750gr | Rear 858gr | Pair 1608gr
- HUBS/SPACING** Front Disc 130 100mm | 15mm Thru Axle Disc 100mm
20mm Thru Axle Disc 110mm | Rear Disc 225 135mm
10mm x 135mm Thru Axle Disc | All Mountain Disc Thru Axle
12mm x 135mm | X-12 142mm Thru Axle Disc
- BRAKE INTERFACE** 6 Bolt International Standard
- LOOK/COLOR** AC White Buzzsaw with Red Hubs | AC Black Rawtype with White Hubs
- INCLUDED** AC MTB Tubeless Tape Installed | AC Tubeless Valves
- QUICK RELEASE** Cromoly QR's
- EXTRAS** Ceramic Bearings | Titanium QR's | Wheel Bag
Can be ridden with regular tire and tube.



ALL MOUNTAIN 29

TUBELESS

Bill Shook applied his signature tubeless design to our new, tougher, roll over everything All Mountain 29er. The tubeless 29" rim is light and at 28mm wide x 23mm deep, it is wider, stiffer and supports the tire for improved ground control. The All Mountain wheels withstand the tortures of high speeds, reaccelerating, drops and downhills without compromising nimble handling. Our stiff front axle system resists fork flex. Bead barb technology hooks on the tire bead to help keep the tire in place without burping. Many choices of disc hubs to dial in your equipment needs. Experience controlled, confident free riding on 29ers.

DISCIPLINE	All Mountain MTB Cross Country
RIMS	All Mountain Tubeless Aluminum Disc Rims 29"
SPOKES	AC 14/15 Gauge Spokes Black AC Aluminum Nipples Silver 32h 3-Cross Front and Rear
WEIGHT	Front 822gr Rear 930gr Pair 1752gr
HUBS/SPACING	Front Disc 130 100mm 15mm Thru Axle Disc 100mm 20mm Thru Axle Disc 110mm Rear Disc 225 135mm 10mm x 135mm Thru Axle Disc All Mountain Disc Thru Axle 12mm x 135mm X-12 142mm Thru Axle Disc
BRAKE INTERFACE	6 Bolt International Standard
LOOK/COLOR	AC White Buzzsaw with Red Hubs AC Black Rawtype with White Hubs
INCLUDED	AC MTB Tubeless Tape Installed AC Tubeless Valves
QUICK RELEASE	Cromoly QR's
EXTRAS	Ceramic Bearings Titanium QR's Wheel Bag Can be ridden with regular tire and tube.



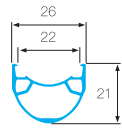
Photo: Heiko Mandl, © KTM Fahrrad GmbH

WHY MTB TUBELESS?

THE NUMBER ONE REASON TO RUN TUBELESS WHEELS IS TO AVOID FLAT TIRES.

Our mountain bikers have been successfully riding and racing AC tubeless wheels for the last few years. Bill Shook is taking tubeless rim technology to the next level. Our tubeless wheels are set up with two AC honey colored tape layers to cover the spoke holes. Next, install tubeless ready clincher tires and pump liquid sealant into the system through our proven AC valves. The liquid sealant replaces the conventional tube. You may ask how our tubeless system works. Bill Shook designed the rim with a bead barb running along the edge of the bead shelf. When installed, the tire firmly pops into position over the bead barb. The tire bead centers and tightly grips the circumference of the rim creating a sealed environment to hold the liquid sealant without burping. The number one reason to run tubeless wheels is to avoid flat tires. The sealant quickly fills and closes small holes in the tire

preventing flats caused by rocks, thorns and other trail debris. Pinch flats can not occur because a tube is not needed. Our tubeless system is about speed. It lowers wheel weight at the extreme outer edge of the rim resulting in lower rolling resistance. In a traditional clincher set up, the tire and tube interface moves as the wheel rolls, creating friction and energy loss. With the AC tubeless set up, there is no frictional energy loss between the tire and tube because the tube is gone. Liquid sealant is lighter than a tube. You can ride lighter weight tires with our tubeless system because you don't have to use tires made with heavy, inflexible puncture layers. Overall, our tubeless system is lighter and the wheel will spin up faster with less rider energy output. And the best part is flat tires are past history.

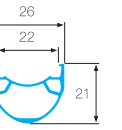


TERRAIN 26

TUBELESS

New to the line up is the Terrain 26 tubeless with all the excellent AC technology at a mid-range price point. Economical Terrain is designed to be tubeless for racing and training, and includes our proven pre-installed AC tubeless tape and AC valves. Add your favorite tubeless tires, pump in sealant and you are ready to go. Bead barb technology hooks on the tire bead to secure the tires in place without burping. The rim design is fine-tuned at 26mm wide to stiffen the wheel enhancing strength, precise handling and acceleration. Newly improved larger hub bearings for increased durability. This wheelset is a top choice for larger athletes without compromising speed, fast spin up and nimble handling. Terrains are built with our finest AC 14/15 gauge spokes and hand finished to perfection. Terrain is a classic all-around performer to carry you to the win.

DISCIPLINE	MTB Cross Country
RIMS	Terrain Tubeless Aluminum Disc Rims 26"
SPOKES	AC 14/15 Gauge Spokes Black AC Brass Nipples Silver 32h 3-Cross Front and Rear
WEIGHT	Front 839gr Rear 943gr Pair 1782gr
HUBS/SPACING	Front Terrain Disc 100mm Terrain 15mm Thru Axle Disc 100mm Terrain 20mm Thru Axle Disc 110mm Rear Terrain Disc 135mm
BRAKE INTERFACE	6 Bolt International Standard
LOOK/COLOR	AC Black Rawtype with Black Hubs
INCLUDED	AC MTB Tubeless Tape Installed AC Tubeless Valves
QUICK RELEASE	Cromoly QR's
EXTRAS	Titanium QR's Wheel Bag Can be ridden with regular tire and tube.



TERRAIN 29

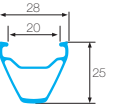
TUBELESS

More and more mountain bikers are riding 29ers. It was time to offer our new Terrain tubeless in 29 inch size with all the excellent AC technology at a mid-range price point. Enthusiasts are impressed with the Terrain's increased accelerations on climbs, speedy descents, decisive handling and faster rolling on the flats. Economical Terrain is designed to be tubeless for racing and training, and includes our proven pre-installed AC tubeless tape and AC valves. Add your favorite tubeless tires, pump in sealant and you are ready to go. Bead barb technology hooks on the tire bead to secure the tires in place without burping. The rim design is fine-tuned at 26mm wide for structural stability and to stiffen the wheel. New larger hub bearings for increased durability. A top choice for larger athletes. Terrains are hand finished with our finest AC 14/15 gauge spokes and hand finished to perfection. Terrain tubeless is an exceptional value in the new frontier of 29er mountain biking.

DISCIPLINE	MTB Cross Country
RIMS	Terrain Tubeless Aluminum Disc Rims 29"
SPOKES	AC 14/15 Gauge Spokes Black AC Brass Nipples Silver 32h 3-Cross Front and Rear
WEIGHT	Front 896gr Rear 999gr Pair 1895gr
HUBS/SPACING	Front Terrain Disc 100mm Terrain 15mm Thru Axle Disc 100mm Terrain 20mm Thru Axle Disc 110mm Rear Terrain Disc 135mm
BRAKE INTERFACE	6 Bolt International Standard
LOOK/COLOR	AC Black Rawtype with Black Hubs
INCLUDED	AC MTB Tubeless Tape Installed AC Tubeless Valves
QUICK RELEASE	Cromoly QR's
EXTRAS	Titanium QR's Wheel Bag Can be ridden with regular tire and tube.



Photo: www.emaphotos.com



DOWNHILL 26

DISC

Our Downhill wheels are designed to take a beating and remain stable at high speeds over technical, rough terrain. Our test riders approved this wheelset after weeks of extreme racing and training. The wheels are reasonably light, without compromising strength, for improved handling especially when maneuvering the bike in the air. Proven stout 28mm wide x 25mm deep Downhill rims stiffen the tire and wheel-ground response. The set-up is burly. Our 20mm Thru Axle Disc front hub with big 6805 Stainless Steel bearings are stiff to resist fork flex. The hub flanges of the 150mm wide Downhill Disc rear hub with 12mm thru axle are spread very far apart for optimal triangulation to build a solid wheel. Take every advantage with confidence.

DISCIPLINE	Downhill
RIMS	Downhill 28mm Wide Aluminum Disc Rims 26"
SPOKES	AC 14/15 Gauge Spokes Black AC Aluminum Nipples Silver 32h 3-Cross Front and Rear
WEIGHT	Front 986gr Rear 1021gr Pair 2007gr
HUBS/SPACING	Front 20mm Thru Axle 110mm Rear Downhill Disc 150 150mm
LOOK/COLOR	AC Black Rawtype with White Hub
EXTRAS	Wheel Bag

SEASON 2012

»We design our products down to the smallest details to optimize our product line and improve your enjoyment on the bike. We don't settle for what's available on the market. It is our efforts to make better components that boost the ride quality and reliability of your wheels.«

Bill Shook
President



STEEL FACE

CASSETTE BODY

There has been a universal problem in the bike industry. Aluminum cassette bodies are damaged by the individual cassette cogs, and from loose fitting shimano 10 speed cassettes. Bill Shook found an ingenious solution to this problem with his latest patent applied design, the steel faced cassette body. All our new shimano style cassette bodies are now equipped with the steel face on the splines so that the body will not be damaged by the cassette. Each steel insert is securely dovetailed in place by hand with Bill's specially designed insert tooling. Steel is harder than aluminum which protects the softer aluminum from being gouged by the cassette. You get the best of both worlds, a light weight aluminum body with the protection of a steel surface. The steel faced cassette will prolong the life of your American Classic hub and make changing cassettes easier. A brilliantly simple solution to an annoying problem. It is Bill Shook's attention to detail that make American Classic's wheels better than the rest.

»Bill Shook came up with a brilliant idea to add a couple of steel inserts on the splines, so that the tougher steel can take the abuse, and you still get the lightweight of the mostly aluminum cassette body. The steel face design is very innovative, and will not only increase the longevity of the cassette body, but it will keep the tolerances tight with better drivetrain performance.«

Brian Mullin | MTBR.com



SIX PNL

CAM ACTUATED ENGAGEMENT SYSTEM

One of Bill Shook's most important designs is his patented Six Pawl Cam Actuated Engagement System found in our hubs. All six oversized pawls engage in unison whenever drive torque is applied. No other multiple pawl system on the market can ensure that all pawls are engaged at the same time. The cam plate powers the pawls into engagement simultaneously. There are new expanded cupped engagement pockets in the cam plate for improved contact. The secondary ratchet system does the coasting quietly and forces engagement of the large pawls only for drive torque transfer. The cassette body has 24 ratchet teeth for quick engagement with the pawls. Each pawl is made from super strong tool steel and has double tips for 12 points of engagement to work in conjunction with the 24 ratchet teeth. The one piece forged 7075 aluminum cassette body is hard anodized and is topped with Bill's latest steel face body design.

»Another new trick bit are that the pawls in AC's new hub have twice the contact points of most hubs...that each pawl doubles up its teeth. That's a 12 contact point engagement with 6 pawls, making for 3-4 times the contact points as most hubs...«

Charles Manatan | PezCyclingNews.com



MICRO 58

FRONT

This minimalist front hub design is time tested and built to last. Bill Shook dialed in the strength to weight ratio producing a sleek, durable design at only 58 grams. The one piece forged hub shell has widely spaced bearings placed close to the point of loading at the fork ends. The improved hub flanges are a beefy 3.5mm thick, engineered to conquer the stresses of radial lacing. When built into a wheel, the minimal, aerodynamic profile reduces wind resistance. Now with screw-in end caps. The Micro 58 is the perfect start to a high end front wheel.

DISCIPLINE	Road Trekking Triathlon Cyclocross
WEIGHT	58gr
DRILLING	18 20 24 28
SPACING	100mm
BEARINGS	688 Stainless Steel Ceramic Upgrade available
INCLUDED	Cromoly QR Ti QR Upgrade available



RD 205

REAR

Bill Shook designed the RD 205 hub to achieve four goals, stiff, strong, light and reliable. At 205 grams, it is one of the lightest, quiet riding hubs on the market. The large diameter 17mm axle is stiff and maintains proper bearing alignment under all riding conditions. The flange spacing was designed for optimal dishing. The hub shell supports the bearings as wide as possible for maximum leverage to reduce the load on the bearing and stiffen the hub. The 19mm diameter drive side end cap is made of serrated steel for better grip on the frame. Adjustable bearings and patented sleeve technology for ease of adjustment and improved bearing life. Every part of the RD 205 has been engineered and thoroughly tested for fast, reliable racing and riding.

DISCIPLINE	Road Trekking Triathlon Cyclocross
WEIGHT	205gr
DRILLING	24 28 32
SPACING	130mm
BEARINGS	6803C3 Stainless Steel Ceramic Upgrade available
SPLINE	Shimano/SRAM 9/10 or Campagnolo 9/10/11
INCLUDED	Cromoly QR Ti QR Upgrade available



TRACK

FRONT

The design of the Track Front Hub is meant to be strong and lightweight at the same time. 17mm oversized axle for stiffness while sprinting. Stout 17mm bearings and patented bearing sleeves for easy adjustability and improved bearing life. Strong track quality bolts are 3/8" x 24 Tpi and work with an easy to use 8mm allen key socket head. End cap contact points are large diameter serrated steel to keep the wheel from slipping. Thick 3.5mm wide flanges for strength. High flanges give it a retro look and strengthen the wheel.

DISCIPLINE	Track Road
WEIGHT	105gr
DRILLING	20
SPACING	100mm
BEARINGS	6803C3 Stainless Steel Ceramic Upgrade available
INCLUDED	Shook Integrated Bolt System



TRACK

REAR

The Track Rear hub was designed by Bill Shook to be both strong and lightweight to survive the tortures of track and fixed gear riding. The 17mm axle is oversized for stiffness while sprinting. Stout 17mm bearings and patented bearing sleeves for easy adjustability and improved bearing life. Strong track quality bolts are 3/8" x 24 Tpi and work with an easy to use 8mm allen key socket head. Because track wheels are repeatedly taken on and off the bike, the improved threads are steel on steel for long life. End cap contact points are large diameter serrated steel to keep the wheel from slipping. Thick 3.5mm wide flanges for strength. High flanges give it a retro look and strengthen the wheel.

DISCIPLINE	Track Road
WEIGHT	180gr
DRILLING	24
SPACING	120mm
BEARINGS	6803C3 Stainless Steel Ceramic Upgrade available
INCLUDED	Shook Integrated Bolt System Lock Ring This is not a "Flip-Flop" or "Fixed-Free" hub



105 FRONT

FRONT

The 105 front hub is a workhorse. Bill Shook achieved the goal of a front hub with a large 17mm axle and stout 17mm stainless steel bearings. Stiff and strong with big 3.5mm thick high flanges and the hub is only 105 grams. High hub flanges strengthen the wheel. The hub shell is forged out of one piece of aluminum. The flange cut-outs give the 105 a retro look. Patented bearing sleeve technology for easy adjustability and improved bearing life. Double seal system to keep grit and dirt out of the bearings. This proven design will last for years to come.

- DISCIPLINE** Road | Trekking | Mountain | Cyclocross
- WEIGHT** 105gr
- DRILLING** 32
- SPACING** 100mm
- BEARINGS** 6803C3 Stainless Steel | Ceramic Upgrade available
- INCLUDED** Cromoly QR | Ti QR Upgrade available



MTB 210 REAR

REAR

At 210 grams, it is one of the lightest hubs on the market. The MTB 210 contains the strong, patented 6 pawl cam actuated engagement system. The flange spacing was designed for optimal dishing which is the balance point between wheel triangulation, spoke tension and lateral stiffness. The hub shell supports the bearings as wide as possible for maximum leverage, reducing the load on the bearing and making the hub stiffer. Bearing bores are precision crafted and tested so that they are truly round and straight. Adjustable bearings and patented sleeve technology for ease of adjustment and improved bearing life. Every part of this hub has been engineered and thoroughly tested.

- DISCIPLINE** Mountain | Road 135mm Applications
- WEIGHT** 210gr
- DRILLING** 32
- SPACING** 135mm
- BEARINGS** 6803C3 Stainless Steel | Ceramic Upgrade available
- INCLUDED** Cromoly QR | Ti QR Upgrade available



DISC 130

FRONT

One of the lightest disc specific front hubs around without sacrificing stiffness and durability. Large 17mm front axle and stout 17mm stainless steel bearings resist fork flex. The hub shell is forged out of one solid piece of aluminum. Built-in stand offs on the disc mounts allow the rotor to mount flat and prevent warping while tightening. 3.5mm thick flanges for added strength. Patented bearing sleeve technology for easy adjustability and improved bearing life. Serrated steel end caps to securely grip the fork. Double seal system to keep grit and dirt out of the bearings. The Disc 130 has been thoroughly tested and carefully engineered to produce a front disc hub that is built to last.

- DISCIPLINE** Mountain | Cross Country
- WEIGHT** 130gr
- DRILLING** 32
- SPACING** 100mm
- BEARINGS** 6803C3 Stainless Steel | Ceramic Upgrade available
- BRAKE INTERFACE** 6 Bolt International Standard
- INCLUDED** Cromoly QR | Ti QR Upgrade available



DISC 225

REAR

The time proven, quiet riding Disc 225 hub is stiff, strong, light and reliable. The strong, patented 6 pawl cam actuated engagement system handles the constant re-accelerations of XC. The large diameter 17mm axle is stiff. The big 19mm diameter serrated steel drive side end cap grips the frame. The flange spacing was designed for optimal dishing which is the balance point between wheel triangulation, spoke tension and lateral stiffness. Built-in stand offs on the disc mounts allow the rotor to mount flat and prevent warping while tightening. The hub shell supports the bearings as wide as possible for maximum leverage, to reduce the load on the bearings and stiffen the hub.

- DISCIPLINE** Mountain | Cross Country
- WEIGHT** 225gr
- DRILLING** 32
- SPACING** 135mm
- BEARINGS** 6803C3 Stainless Steel | Ceramic Upgrade available
- BRAKE INTERFACE** 6 Bolt International Standard
- INCLUDED** Cromoly QR | Ti QR Upgrade available



15MM THRU AXLE DISC

FRONT

On the leading edge of the new 15mm technology, Bill Shook created one of the first high performance 15mm thru axle hubs on the market. Our proven 15mm Thru Axle Disc Front hub is the balance between strength and stiffness to survive the torture of serious mountain biking, and lightness for improved handling. Big 17mm front axle and 17mm bearings resist fork flex. The hub shell is forged out of one solid piece of aluminum. Built-in stand offs on the disc mounts allow the rotor to mount flat and prevent warping while tightening. 3.5mm thick flanges for added strength. Stout 17mm bearings and patented bearing sleeves for easy adjustability and improved bearing life. Double seal system to keep grit and dirt out of the bearings. The 15mm Thru Axle Front hub has been thoroughly tested and carefully engineered to produce a hub that is built to last.

DISCIPLINE	Cross Country All Mountain
WEIGHT	116gr
DRILLING	32
SPACING	15mm x 100mm Thru Axle
BEARINGS	6803C3 Stainless Steel Ceramic Upgrade available
BRAKE INTERFACE	6 Bolt International Standard



SINGLE SPEED

REAR

The quiet riding Single Speed Disc hub is functional, easy to maintain and strong. At 244 grams, it is one of the lightest hubs on the market. The specially designed shortened cassette body is paired with mix and match spacers for maximum chain line adjustability. Standard cassette lock ring lets you run up to 5 gears from a Shimano/SRAM cassette to turn the hub into a multispeed system. The flange spacing was designed for optimal dishing which is the balance point between wheel triangulation, spoke tension and lateral stiffness.

DISCIPLINE	Mountain
WEIGHT	244gr
DRILLING	32
SPACING	135mm
BEARINGS	6803C3 Stainless Steel Ceramic Upgrade available
BRAKE INTERFACE	6 Bolt International Standard
INCLUDED	Cromoly QR or 8mm Socket Head Bolts Lock Ring 18 Tooth Cog Spacers



20MM THRU AXLE DISC

FRONT

Our proven 20mm Thru Axle hub is the balance between strength to survive the torture of serious extreme riding, and lightness for improved handling. It has a beefy 25mm axle in addition to the 20mm thru axle, making it extra stiff and strong to resist fork flex. Now with new large double sealed stainless steel bearings. The 20mm Thru Axle hub uses the patented sleeve technology and adjustable bearings to improve bearing life and performance. Burly 30mm adjuster nut and strong thick flanges. This hub has been thoroughly tested and carefully engineered to withstand it all.

DISCIPLINE	All Mountain Downhill
WEIGHT	216gr
DRILLING	32
SPACING	110mm
BEARINGS	New 6805 Stainless Steel
BRAKE INTERFACE	6 Bolt International Standard



DOWNHILL DISC

REAR

The Downhill hub pairs a 12mm thru axle and wide 150mm spacing for high speed riding and racing. The strong, patented 6 pawl cam actuated engagement system handles constant pounding. The 12mm thru axle acts as a second axle making the rear end of the bike stiffer. Bill Shook's design spreads the hub flanges very far apart, for optimal triangulation to build a solid wheel. The hub shell supports the bearings as wide as possible for maximum leverage and stiffness. The big 19mm diameter serrated steel drive side end cap grips the frame. Adjustable bearings and patented sleeve technology for improved bearing life.

DISCIPLINE	Downhill
WEIGHT	236gr
DRILLING	32
SPACING	12mm x 150mm Thru Axle
BEARINGS	6803C3 Stainless Steel Ceramic Upgrade available
BRAKE INTERFACE	6 Bolt International Standard



X-12 THRU AXLE DISC

REAR

X-12 is an up and coming axle standard for rear triangle stiffness and strength. Our new quiet riding 6 pawl cam actuated X-12 hub is the perfect compliment to the X-12 system, as it is light and strong. The 17mm oversized axle diameter stiffens the long 142mm axle. Similar to a front fork, the X-12 dropouts nest on the long, smooth hub axle extensions. Wheel changes are easy because the hole in the dropout lines up exactly with the hub for easy insertion of the thru axle. Bill Shook designed the hub to conform to the X-12 specifications. The flange spacing was designed for optimal dishing which is the balance point between wheel triangulation, spoke tension and lateral stiffness. Adjustable bearings and patented sleeve technology for ease of adjustment and improved bearing life.

- DISCIPLINE** Cross Country | All Mountain
- WEIGHT** 223gr
- DRILLING** 32
- SPACING** 12mm x 142mm Thru Axle
- BEARINGS** 6803C3 Stainless Steel | Ceramic Upgrade available
- BRAKE INTERFACE** 6 Bolt International Standard



ALL MOUNTAIN THRU AXLE DISC

REAR

The All Mountain Disc hub achieves four goals, stiff, strong, light and reliable for the rigors of free riding. It is one of the lightest 12mm x 135mm thru axle hubs on the market. The strong, quiet riding patented 6 pawl cam actuated engagement system is appropriate for constant re-accelerations and extreme riding. The large diameter 17mm axle is stiff and maintains proper bearing alignment. Bearing bores are precision crafted to be truly round and straight. The flange spacing was designed for optimal dishing which is the balance point between wheel triangulation, spoke tension and lateral stiffness. Adjustable bearings and patented sleeve technology for ease of adjustment and improved bearing life.

- DISCIPLINE** All Mountain | Cross Country
- WEIGHT** 223gr
- DRILLING** 32
- SPACING** 12mm x 135mm Thru Axle
- BEARINGS** 6803C3 Stainless Steel | Ceramic Upgrade available
- BRAKE INTERFACE** 6 Bolt International Standard



10MM THRU AXLE DISC

REAR

Our 10mm Thru Axle hub is the lightweight centerpiece of the system created to stiffen the rear of a mountain bike without an unwieldy, heavy bolt. The thru axle internals are beefy with knurled steel end caps to center the rear hub in the frame drop out without fishing for adjustment. It's easy to change the wheel. The strong, quiet riding 6-pawl cam actuated engagement mechanism is built to survive the tortures of serious mtb racing. The flange spacing was designed for optimal dishing which is the balance point between wheel triangulation, spoke tension and lateral stiffness. Adjustable bearings and patented sleeve technology for ease of adjustment and improved bearing life. Every part of this hub has been engineered and thoroughly tested.

- DISCIPLINE** Cross Country | All Mountain
 - WEIGHT** 223gr
 - DRILLING** 32
 - SPACING** 10mm x 135mm Thru Axle
 - BEARINGS** 6803C3 Stainless Steel | Ceramic Upgrade available
 - BRAKE INTERFACE** 6 Bolt International Standard
- 10mm Thru Axle Quick Release is not included.



HANDCYCLE

BOLT-ON HUB

The first product in our line of handcycle products, Bill Shook designed a light weight bolt-on hub for improved riding performance. This hub is about a smooth ride, fast accelerations and maintaining speed. The newly designed titanium bolt is a standard 1/2 x 24 tpi with internally recessed 8mm recessed socket head that closes securely and is easy to take on and off. Large 17mm axle and stout 17mm stainless steel bearings. Stiff and strong with big 3.5mm thick high flanges. Sealed system to keep dirt out of the bearings. Easy maintenance. Slim looking high flange cut outs top off this upgrade to your bike.

- DISCIPLINE** Handcycling
- WEIGHT** 141gr
- DRILLING** 24h
- SPACING** 100mm
- BEARINGS** 6803C3 Stainless Steel

AC COMPONENTS

SEASON 2012

»Bill Shook speaks slowly, deliberately – the hallmark of a meticulous engineer who lives by a few key rules when designing wheels, hubs and components: Make them durable, strong and light. And if those parts are aerodynamic and attractive, so much the better. That formula has made American Classic – a small but influential builder – a leader when it comes to high-end components.«

Marc Sani | Bicycle Retailer & Industry News

AC SPOKES

ROAD | TREKKING | TRIATHLON | CYCLOCROSS | MOUNTAIN

Bill Shook wanted to have better spokes than those on the market. American Classic spokes are designed to have a stronger thread and elbow and a lighter middle section. We specially make spokes for each wheel build to the specific lengths needed with uniform butted parts. The uniformity of the AC spokes strengthens our wheel builds and makes the finished product look professional. Look for our authentic AC spoke logo on the spoke head.

For 2012, Bill Shook specified two new spokes for the AC line, the AC Race Round for the MTB Race Wheels and AC Race Bladed Spokes for the Magnesium and Tubeless Road Wheels. They are 14/16 gauge drawn double butted spokes designed to be light and share the load on these new special wheel systems.

SANDVIK STAINLESS STEEL

Bill Shook wanted the finest stainless steel spoke material for the AC spokes. He determined Sandvik's leading metallurgy, inclusion and trace-element technology produced stainless steel with optimum and consistent properties.

QUALITY CONTROL

By making our own spokes, we have tighter quality control over them than our competitors who buy the spokes off the rack. The spokes are torture tested on our wheel machines and viewed through our high powered microscope. Consistently high quality spokes mean better performance and durability of your wheels.

J-BEND SPOKES

Bill Shook does not believe in gimmicks like straight pull spokes or fragile carbon fiber spokes. Bill explains that your wheel is your bike's suspension system. The J-bend of your spoke acts as a hinge point reducing the concentration of stress on your spokes leading to premature fatigue and breakage.

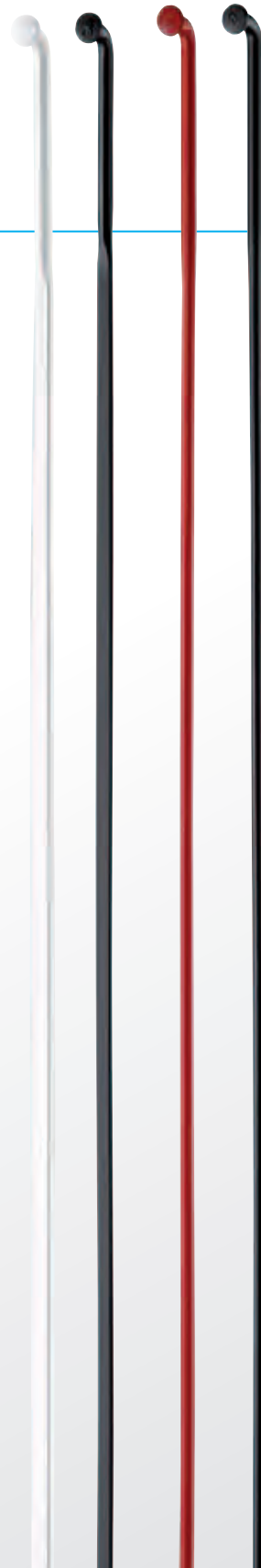
AC SPOKE SPEC

AC Round Spokes 14 / 15 Gauge 2.0-1.8-2.0 Butt

AC Bladed Spokes 14 Gauge 2.0-1.0 x 3.0-2.0 Butt

New AC Race Round Spokes 14/16 Gauge 2.0-1.6-2.0 Butt

New AC Race Blade Spokes 14/16 Gauge 2.0-2.2 x .95-2.0 Butt



AC SPOKE NIPPLES

ROAD | TREKKING | TRIATHLON | CYCLOCROSS | MOUNTAIN

Standard Aluminum spoke nipples have a deserved reputation of breaking due to fatigue after about one year. Bill Shook identified the cause of this problem and originated the design of the durable, long lasting AC aluminum nipples. Bill likes aluminum as a material for spoke nipples because it is six times lighter than brass thus reducing rotational weight. The threads in the head of the AC nipple are loaded in compression. The body of the AC nipple is not loaded in tension. There is no stress concentration of loads at the junction of the AC nipple head and body, which is the place where the competitor's nipples fatigue and eventually break. As a rider, the time tested AC spoke nipples mean better durability for your wheels and increased performance from the reduced rotational weight at the rim, the place it counts most.



AC BEARINGS

ROAD | TREKKING | TRIATHLON | CYCLOCROSS | MOUNTAIN

Bill Shook went to great lengths to select the finest bearings for American Classic's product line. He designed adjustable bearings in our hubs so you can dial in your bearings for increased precision. The purpose of adjustability is to extend the life of your bearings, and reduce friction and rolling resistance to boost performance. All our bearings have been time tested on our wheel testing machines for durability, strength, smoothness, and precision fit in the bearing bores. Our hubs come standard with either 688, 6803C3 or 6805 fully sealed 440C Stainless Steel cartridge bearings. They have stood the test of time working reliably in our hubs for years. Bill Shook selected our 440C Stainless Steel bearings to resist moisture, corrosion and abrasion, and for their suitability for high speeds. Some of our new hubs are running 6902 52100 Chrome Steel bearings. He analyzed the load capacity and determined these bearings would meet his design goals of strength, performance and durability. The 52100 Chrome Steel bearings are big and made to last. All bearings contain water resistant, corrosion inhibiting grease.

CERAMIC BALL BEARINGS

Ceramic ball bearings have greater hardness than steel ball bearings which results in longer ball life. Ceramic balls have a smoother surface finish than steel balls which means less friction when your wheel is spinning and this translates into increased performance. Ceramic bearings require less lubrication and exhibit less lubrication degeneration, which results in increased bearing life. Our fully sealed Ceramic cartridge bearings are ABEC-5 and use Silicon Nitride (Si3N4) ceramic balls with 440C stainless steel races. The Ceramic bearings produce an unparalleled ride feel in terms of smoothness, quickness and effortless rolling. Ceramic Bearings can be installed in new wheelsets or ordered as kits. The Road Ceramic Bearing Kit contains 2-688 and 4-6803C3 Ceramic Bearings. The MTB Ceramic Bearing Kit contains 6-6803C3 Ceramic Bearings. Look for the yellow seals signifying American Classic's top quality Ceramic bearings.



TUBELESS VALVES

ROAD | MOUNTAIN

We are taking tubeless valves to the next level. Bill Shook designed the aluminum presta tubeless valves with a revolutionary fat o-ring to contour the rim surface for an air tight seal. The valve core is removable for installing sealant. The smooth inner valve surface and rounded wide base makes sealant easy to insert into the tire. Hand tighten the valves in place. 36mm long, red anodized color, packed in pairs. When you see a red valve, you know it's AC.

LENGTH 36mm
WEIGHT Pair 6gr
COLOR Red Anodized



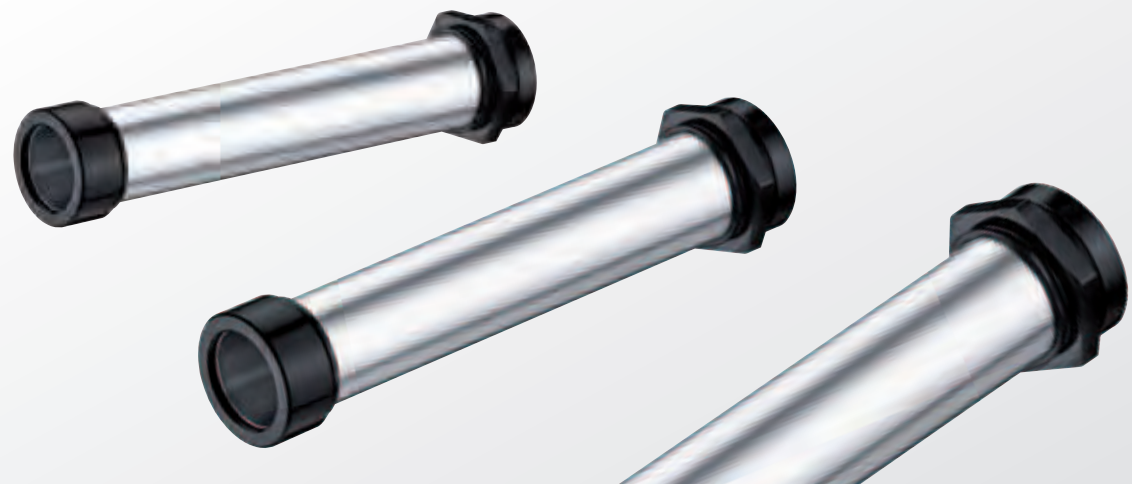
RETROFIT THRU AXLE CONVERSION KITS

ALL KITS CONTAIN ALL THE NECESSARY PARTS REQUIRED TO MAKE THE SWAP.

FRONT HUBS	QUICK RELEASE	15MM THRU AXLE	TERRAIN 15MM THRU AXLE
Disc 130			
15mm Thru Axle Disc Front			
Terrain Disc			

REAR HUBS	QUICK RELEASE	10 X 135MM TA	12 X 135MM TA	X-12 142MM TA
Disc 225				
10mm Thru Axle Disc				
All Mountain Thru Axle Disc				
X-12 Thru Axle Disc				

- The hubs listed above can be converted back to 9mm Quick Release and there are QR kits available.
- The Disc 130 Front Hub cannot be converted to a 20mm Thru Axle.
- The 20mm Thru Axle Front Hubs are not convertible to any other axle standards. They are 20mm only.
- The Downhill Disc 150 Rear Hub are not convertible to any other axle standards.
- Thru Axle QRs are not included with kits.
- Old Disc 130 and old Disc 225 hubs with 15267 bearings cannot be converted to any thru axle standards.
- The above kits only work on American Classic hubs.



TUBELESS TAPE

ROAD | MOUNTAIN

Bill Shook carefully selected proprietary polymer materials for our tubeless tape. The tape is light weight, durable and sticks well. The honey colored AC MTB Tubeless Tape is meant to be installed on each wheel 2 times around and the roll contains enough tape for a pair of 29ers. AC Road Tubless kit comes with a special 9mm wide fiber base layer tape wrapped 1 time around and outer layer honey colored tape to be wrapped 2 times around. The valve hole is formed with either a soldering iron or sharp knife.

ROAD TUBELESS

9mm base layer, 22mm wide outer layer
 5M AC Road Kit wraps 2 wheels, 1 base layer and outer layer 2 times around - 700c
 50M AC Road Shop Kit wraps 12 wheels, 1 base layer and outer layer 2 times around - 700c

MTB TUBELESS

25mm wide
 5M AC MTB Roll wraps 2 wheels, 2 times around - 29"
 50M AC Shop Roll wraps 12 wheels, 2 times around - 29"

ALL MOUNTAIN TUBELESS

28mm wide
 5M AC MTB Roll wraps 2 wheels, 2 times around - 29"
 50M AC Shop Roll wraps 12 wheels, 2 times around - 29"



AC SEATPOST

ROAD | TREKKING | TRIATHLON | CYCLOCROSS | MOUNTAIN

Bill Shook made another technologically advanced breakthrough. The curvaceous design of our new seatpost is minimalist, extremely lightweight, incredibly strong and adjustable. The patented single bolt design is easy to adjust and keeps the interlocking clamp tight when loading the saddle with the rider's body weight. Once the clamp is tightened, your saddle stays put. Aluminum is more durable than carbon. If you are tired of struggling with your carbon post, our curvy seatpost is the way to go. Bike fitters use our multi-purpose seatpost to properly position riders on their bikes. The post can be inserted in the frame forward or reversed for time trial triathlon forward position. The seatpost clamp can be moved forward and backward to dial in saddle comfort and optimal rider position. Unique to this seatpost, the head can be tilted slightly side to side to correct some rider leg and hip discrepancies without the endless chore of shimming shoes.

LENGTH 350mm
DIAMETERS/WEIGHT 27.2 / 200gr | 31.6 / 210gr
SETBACK 25.4mm
COLOR Black Alphatype
TOOLS NEEDED Torque Wrench with 4mm Hex Key



QUICK RELEASE

ROAD | TREKKING | TRIATHLON | CYCLOCROSS | MOUNTAIN

This is an entirely new quick release. This tested design focuses on improved lever function so that the quick release stays closed tight. The springs are stainless steel. The cam has an aluminum on plastic glide surface. Fork contacts are knurled for a superior grip. American Classic is committed to continually improving the function of our products at all levels to offer an improved riding experience to our customers.

LENGTH/WEIGHT Cromoly Front 100mm/46gr
Road Rear 130mm/48gr
MTB Rear 135mm/49gr

LENGTH/WEIGHT Titanium Front 100mm/40gr
Road Rear 130mm/42gr
MTB Rear 135mm/43gr



10MM THRU AXLE QUICK RELEASE

MOUNTAIN

The purpose of the 10mm thru axle system is to stiffen the rear of a mountain bike without an unwieldy, heavy bolt. Our 10mm Thru Axle Quick Release acts as an axle and centers the rear hub in the frame drop out without fishing for adjustment. It's easy to change the wheel. Mechanism clamps tightly. It is stronger than a traditional QR skewer with a beefy 10mm aluminum shaft and steel contact points against the frame for superior grip. For a noticeable improvement in stiffness, try the AC 10mm Thru Axle QR.

LENGTH/WEIGHT 10mm x 135mm / 80gr

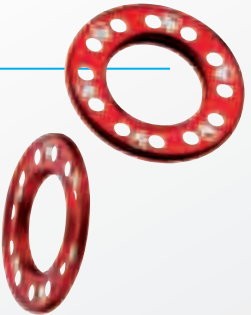


DISC REINFORCING RING

MOUNTAIN

There is a problem with some disc rotors on the market. The rotors are cut out in the bolt area and do not have a reinforced center to properly support the international 6 bolt mounting system. The cut out rotors are weak at the bolts and result in failures. Bill Shook engineered the disc reinforcing ring to support the 6 mounting positions, effectively tying them together to work as a unit. Can be used on other hub brands. An ingenious technical solution to improve your riding. When you see the red disc reinforcing ring, you know it's AC. (patent applied)

WEIGHT Pair 12gr
COLOR Red Anodized
BRAKE INTERFACE 6 Bolt International Standard



WHEEL BAG

ROAD | TREKKING | TRIATHLON | CYCLOCROSS | MOUNTAIN

Stow your wheelset in the new premium AC wheel bag, the fusion of style and function. Bill Shook generously measured out this bag making it large enough to fit a pair 29ers with beefy 2.3 tires or a pair of 700c road wheels with tires. AC black nylon alphas type graphic fabric and logo are custom designed for this project by our artists at Groupe Dejour. Thick padding inside to protect your wheel investment. Wheel bags help to keep your car and gear clean and organized. Twin zippers with carrying handles and a shoulder strap. Padded center divider and hard rubber reinforcement circles are inside each bag to prevent the axle from punching through the bag. Inner pocket features a velcro closure for storing quick releases and tools. An AC exclusive design, well thought out and luxurious like no other wheel bag on the market.



AC CLOTHING

SEASON 2012

»Apparel is a new endeavor for American Classic.
We carefully chose the finest clothing available for our house designs.«

Ellen Kast | General Manager

AC VISOR AND HAT

Headsweats is a favored brand at American Classic. Both are 100% COOLMAX® fabric with wrap around wicking headband. Our adjustable visor features a velcro back closure to dial in the perfect fit for athletes on the go. INVISTA® certified sun protection race hat with an adjustable rear buckle. Machine washable. One size fits all.



AC T-SHIRT

Our logo t-shirts are not just an ordinary t-shirt. They are soft and cut to wear with your favorite jeans or better yet, on the podium. A new wardrobe favorite. 100% cotton and machine washable.

Men's Sizes: M, L, XL, XXL

Women's Sizes: S, M, L, XL



AC SOCKS

When we think of socks, we Save our Soles. SOS dialed in our tall 5"/12.7cm cuff for the ideal finishing touch to your ride wear. Caress your toes with style. 100% coolmax and machine washable.

Sizes M, L, XL.



AC CLOTHING

SEASON 2012



AC JERSEYS

We selected the finest cycling apparel from Israeli hi-zoot apparel designer Funkier for high style and comfortable performance. Men's and Women's specific short sleeve jerseys are made with proprietary Quick Dry fabric to dissipate heat, full length zipper, and a special waterproof zipper pocket for keys and a cell phone.

Men's Sizes: S, M, L, XL, XXL

Women's Sizes: XS, S, M, L, XL

Men's jerseys have 3 pockets, women's have 2 pockets.

The fit is true to size.

Size chart available at www.AmClassic.com on the clothing page.

AC BIB / SHORTS

Funkier understands the importance of quality shorts for long rides. Men's bib shorts and Women's specific shorts have a 7"/18cm inseam and are constructed with 240 gram m2 lycra for free movement, and silicone gel leg grippers. We chose the highest quality, multi-layered antibacterial pads containing silky smooth perforated open cells. The F1 men's pad has an enhanced perennial channel and stitch-free square angle for air flow, comfort and protection. The women's C8 pad features 4-way stretch anatomical shaping for chafe free comfort, breathability and movement.

Men's Bib Sizes: S, M, L, XL, XXL

Women's Short Sizes: XS, S, M, L, XL

The fit is true to size.

Size chart available at www.AmClassic.com on the clothing page.



WHEELSPEC

WHEEL SETS	DRILLING Front / Rear	WEIGHT FRONT with AC Spokes	WEIGHT REAR with AC Spokes	WEIGHT PAIR with AC Spokes	RIDER WEIGHT Limit / lbs / kg	RIM WIDTH	RIM DEPTH	RIM STRIP	RIM ERD
MAG CLINCHER	24 / 24	467 gr	641 gr	1108 gr	200 / 91	22.0 mm	22.0 mm	18 mm	592
ROAD TUBELESS	24 / 24	519 gr	660 gr	1179 gr	200 / 91	22.0 mm	21.0 mm		596
420 AERO 3	18 / 24	663 gr	867 gr	1530 gr	235 / 107	19.0 mm	34.0 mm	16 mm	572
SPRINT 350 700C	28 / 32	610 gr	800 gr	1410 gr	220 / 100	19.0 mm	24.0 mm	16 mm	590
HURRICANE	32 / 32	745 gr	855 gr	1600 gr	250 / 114	22.0 mm	24.0 mm	18 mm	594
CARBON 38 TUBULAR	18 / 24	594 gr	776 gr	1370 gr	200 / 91	19.0 mm	38.0 mm		570
CARBON 58 TUBULAR	18 / 24	612 gr	844 gr	1456 gr	240 / 110	20.0 mm	58.0 mm		530
CARBON 58 CLINCHER	18 / 24	836 gr	1044 gr	1880 gr	250 / 114	19.3 mm	58.0 mm	16 mm	528
CARBON 85 TUBULAR	18 / 24	715 gr	901 gr	1616 gr	250 / 114	20.0 mm	85.0 mm		475
CARBON TT DISK			1325 gr		275 / 125	21.0 mm			
420 AERO TRACK	20 / 24	745 gr	840 gr	1585 gr	235 / 107	19.0 mm	34.0 mm	16 mm	572
VICTORY	24 / 28	718 gr	930 gr	1648 gr	250 / 114	19.4 mm	24.0 mm	16 mm	590
VICTORY 30	18 / 24	676 gr	916 gr	1592 gr	245 / 112	18.3 mm	30.0 mm	16 mm	575
MTB RACE 26 TUBELESS	32 / 32	605 gr	716 gr	1321 gr	220 / 100	28.0 mm	22.0 mm		528
MTB RACE 29 TUBELESS	32 / 32	650 gr	769 gr	1419 gr	210 / 95	28.0 mm	22.0 mm		592
MTB 26 TUBELESS	32 / 32	691 gr	795 gr	1486 gr	250 / 114	26.0 mm	23.0 mm		530
MTB 29 TUBELESS	32 / 32	748 gr	852 gr	1600 gr	235 / 107	26.0 mm	23.0 mm		593
29 TUBELESS SINGLE SPEED	32 / 32	748 gr	852 gr	1600 gr	235 / 107	26.0 mm	23.0 mm		593
ALL MTN 26 TUBELESS	32 / 32	750 gr	858 gr	1608 gr	250 / 114	28.0 mm	23.0 mm		530
ALL MTN 29 TUBELESS	32 / 32	822 gr	930 gr	1752 gr	235 / 107	28.0 mm	23.0 mm		593
TERRAIN 26 TUBELESS	32 / 32	839 gr	943 gr	1782 gr	280 / 127	26.0 mm	21.0 mm		531
TERRAIN 29 TUBELESS	32 / 32	896 gr	999 gr	1895 gr	280 / 127	26.0 mm	21.0 mm		594
DOWNHILL 26	32 / 32	986 gr	1021 gr	2007 gr	250 / 114	28.0 mm	25.0 mm	20 mm	526
HANDCYCLE 650 C	24 / 24 / 24	820 gr	742 gr	TRIO: 2304 gr	245 / 112	18.3 mm	30.0 mm	16 mm	522
HANDCYCLE CARBON 50 TUBULAR 650c	24 / 24 / 24	726 gr	650 gr	TRIO: 2026 gr	240 / 110	20.0 mm	50.0 mm		490

*All wheels are weighed without QR's, Bolts, Valves, Rim Strips or Rim Tape.

HUBSPEC

FRONT HUBS	WIDTH	HOLE COUNT	WEIGHT	SPOKE HOLE SIZE	CENTER TO LEFT OUTSIDE	CENTER TO RIGHT OUTSIDE	SPOKE CIRCLE DIAMETER	BEARINGS
MICRO 58	100 mm	18 / 20 / 24 / 28	58 gr	2.5 mm	35.5 mm	35.5 mm	29 mm	688 Stainless Steel
TRACK FRONT	100 mm	20	105 gr	2.5 mm	32.5 mm	32.5 mm	58 mm	6803C3 Stainless Steel
VICTORY FRONT	100 mm	18 / 24	58 gr	2.5 mm	35.5 mm	35.5 mm	29 mm	688 Chrome
105 FRONT	100 mm	32	105 gr	2.5 mm	32.5 mm	32.5 mm	58 mm	6803C3 Stainless Steel
DISC 130	100 mm	32	130 gr	2.5 mm	24.5 mm	32.5 mm	58 mm	6803C3 Stainless Steel
15mm THRU AXLE DISC	100 mm	32	116 gr	2.5 mm	24.5 mm	32.5 mm	58 mm	6803C3 Stainless Steel
20mm THRU AXLE DISC	110 mm	32	216 gr	2.5 mm	24.5 mm	32.5 mm	58 mm	6805 Stainless Steel
TERRAIN DISC FRONT	100 mm	32	158 gr	2.5 mm	24.5 mm	32.5 mm	58 mm	6902 Chrome
TERRAIN 15mm THRU AXLE DISC	100 mm	32	148 gr	2.5 mm	24.5 mm	32.5 mm	58 mm	6902 Chrome
TERRAIN 20mm THRU AXLE DISC	110 mm	32	218 gr	2.5 mm	24.5 mm	32.5 mm	58 mm	6805 Chrome

REAR HUBS	WIDTH	HOLE COUNT	WEIGHT	SPOKE HOLE SIZE	CENTER TO LEFT OUTSIDE	CENTER TO RIGHT OUTSIDE	SPOKE CIRCLE DIAMETER	BEARINGS
RD 205	130 mm	24 / 28 / 32	205 gr	2.5 mm	30.0 mm	20.0 mm	66 mm	6803C3 Stainless Steel
TRACK REAR	120 mm	24	180 gr	2.5 mm	37.2 mm	32.7 mm	66 mm	6803C3 Stainless Steel
VICTORY REAR	130 mm	24 / 28	240 gr	2.5 mm	30.0 mm	20.0 mm	56 mm	6902 Chrome / 15267 Chrome
MTB 210	135 mm	32	210 gr	2.5 mm	27.4 mm	22.6 mm	66 mm	6803C3 Stainless Steel
DISC 225	135 mm	32	225 gr	2.5 mm	27.4 mm	22.6 mm	66 mm	6803C3 Stainless Steel
SINGLE SPEED DISC	135 mm	32	244 gr	2.5 mm	33.9 mm	32.8 mm	66 mm	6803C3 Stainless Steel
ALL MOUNTAIN DISC REAR	135 mm	32	223 gr	2.5 mm	27.4 mm	22.6 mm	66 mm	6803C3 Stainless Steel
10mm THRU AXLE DISC	135 mm	32	223 gr	2.5 mm	27.4 mm	22.6 mm	66 mm	6803C3 Stainless Steel
DOWNHILL DISC REAR	150 mm	32	236 gr	2.5 mm	36.8 mm	30.0 mm	66 mm	6803C3 Stainless Steel
X-12 THRU AXLE DISC	142 mm	32	223 gr	2.5 mm	27.4 mm	22.6 mm	66 mm	6803C3 Stainless Steel
TERRAIN DISC REAR	135 mm	32	262 gr	2.5 mm	27.4 mm	22.6 mm	56 mm	6902 Chrome / 15267 Chrome
HANDCYCLE BOLT-ON	100 mm	24	141 gr	2.5 mm	32.5 mm	32.5 mm	58 mm	6803C3 Stainless Steel

* All hubs are weighed without OR or Bolts.

SERVICE DEPARTMENT USA

American Classic offers service provided by our highly qualified Technical Staff and Wheel Builders. Services include wheel rebuilds, re-tensioning and truing, hub maintenance, hub cassette body and bearing changes, and general repairs.

American Classic does not sell rims, spokes or nipples separately. Call our sales department for estimates on parts and service work. Our USA sales team will take your order and issue a return authorization (RA) number.

TIRE PRESSURE

We recommend maximum tire inflation of 120 psi / 8 bars on our AC clincher road wheels.

AC QUICK RELEASE

Your American Classic wheels come with QR hardware. Failure to close the quick release properly can result in accident or injury. If in doubt, ask your retailer to help you make sure you know how to install and remove your wheels safely. Check to ensure that your wheel quick releases are securely clamped, each time before you ride your bicycle.

AC CRASH REPLACEMENT PROGRAM

American Classic has a new wheel crash replacement plan for wheelsets bought in the USA from an authorized dealer or distributor for a period of 2 years from date of purchase by the original owner. This is a screamin' deal to protect your investment in your wheels. The original owner must keep their original proof of purchase receipt and crash replacement plan receipt in order to make a claim under this plan.

Sign up and the specific terms, requirements and exclusions of the plan are set forth at amclassic.com. The plan must be purchased within 10 days of the date of purchase of the wheelset. This plan does not apply retroactively or for wheelsets purchased on online auctions. Sign up today!

Cécile Ravanel,
Pro Rider Team GT Skoda Chamonix



Photo: Cécile Ravanel by Sven Martin



Photo: Heiko Mandl, © KTM Fahrrad GmbH

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AC PATENTS**USA Patents**

6,155,394 / 6,266,990 / 6,961,999
7,318,623 / 7,555,838 / 7,490,406

Chinese Patents (PRC)

ZL00205100.1 / 200610111956.4 / 201010126181.4

Taiwan Patents

478984 / M297339 / I286524

I267457 / 498037 / 1299705 / 099104598

Other patents applied**AC** CONTACT**Corporate Headquarters****American Classic**

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