

# CONTENTS

PHILOSOPHY	INSIDE FELT	006 - 007
TECHNOLOGY	FELT DESIGN	008
	CARBON	009 - 010
	BAYONET 2	011
ROAD & RACE	AR SERIES	014 - 015
	F SERIES	016 - 017
	Z SERIES	018 - 021
	FIT WOMAN - ZW SERIES	022 - 023
	TT/TRI SERIES	024 - 026
	TRACK SERIES	027
FIXIE	SINGLE SPEED SERIES	028 - 029
MOUNTAIN	SIX SERIES	032 - 033
	EQUILINK SUSPENSION	034 - 035
	VIRTUE SERIES	036 - 037
	COMPULSION SERIES	038 - 039
	REDEMPTION SERIES	040 - 041
	TRAIL SHOT SERIES	042 - 043
	Q SERIES	044 - 046
	FIT WOMAN - QFW SERIES	047
	Q KIDS SERIES	048 - 049
HYBRID	QX SERIES	050 - 053



# INSIDE FELT

*When Jim Felt built his first bicycle frame in the early '90s he did it for just one reason: to make the rider faster. At every turn, his career has always focused on helping an athlete to achieve his or her best possible performance.*

Since its inception, Felt Bicycles has grown beyond its racing roots, but the guiding principle remains unchanged. Any time someone rides a Felt bicycle, we want that experience to be the very best possible. Whether racing the steepest climbs of the Tour de France, mashing the flats through Kona, bombing a local single-track, or commuting to work, a bicycle should always fit the rider for ideal performance and maximum comfort, and should take the rider's energy and turn it into motion as efficiently as possible. This quest remains our ongoing commitment.

Our company creed is simple: "To design, develop and deliver the best bicycles in the world. Period."

Rewind to 1991. With more than a dozen years experience in metal fabrication, building frames and designing tubing as for Easton, ex-pro motocross wrench Jim set out to help one of the athletes he worked with when he began competing in triathlons. Jim had a simple revelation: most bicycle frames didn't allow riders to make the best use of their aero bars. So, Jim built a frame that put the rider in the most aerodynamic position possible. It seems a simple idea today, but it was radical for the time. Desire for such products rapidly grew. By 1999, Jim wanted to capitalise on his experience and knowledge with designing high performance bicycles by bringing new benefits to more riders. Enter Bill Duehring and Michael Muellmann. Bill wanted to be part of a bike company that could capitalise on his years of product development experience and expertise, along his strong relationships with suppliers all over the world. Michael owned a successful distribution company in Europe and also wanted to be part of a product-driven brand.

It was easy for the three to agree on a direction for they had the same goal: a bicycle company dedicated to deliver bicycles that would push the limits of technology and unparalleled quality. Jim brought a name, design experience and athlete relationships. Bill had broad-based product development knowledge and vendor relationship experience and the ability to deliver great bikes and Michael had the knowledge and experience in distribution.

A bicycle company has never been established with so much experience on the front end. The day Felt incorporated it already had more than 70 years combined experience developing, manufacturing and selling high-quality bicycles. Since those early days Felt Bicycles has operated with a single goal:

to make the best products possible. "We don't want to be the biggest bike company in the world, just the best," is a maxim often uttered by Jim, Bill or Michael.

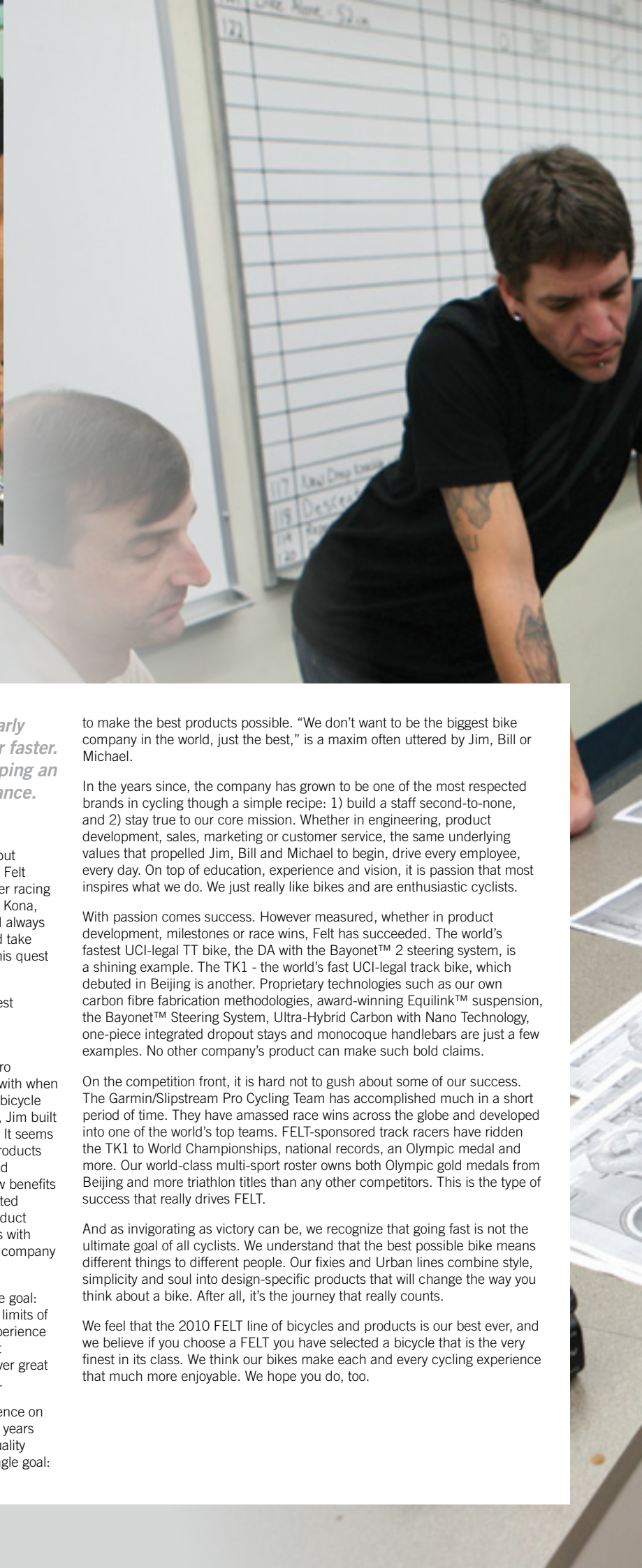
In the years since, the company has grown to be one of the most respected brands in cycling though a simple recipe: 1) build a staff second-to-none, and 2) stay true to our core mission. Whether in engineering, product development, sales, marketing or customer service, the same underlying values that propelled Jim, Bill and Michael to begin, drive every employee, every day. On top of education, experience and vision, it is passion that most inspires what we do. We just really like bikes and are enthusiastic cyclists.

With passion comes success. However measured, whether in product development, milestones or race wins, Felt has succeeded. The world's fastest UCI-legal TT bike, the DA with the Bayonet™ 2 steering system, is a shining example. The TK1 - the world's fast UCI-legal track bike, which debuted in Beijing is another. Proprietary technologies such as our own carbon fibre fabrication methodologies, award-winning Equilink™ suspension, the Bayonet™ Steering System, Ultra-Hybrid Carbon with Nano Technology, one-piece integrated dropout stays and monocoque handlebars are just a few examples. No other company's product can make such bold claims.

On the competition front, it is hard not to gush about some of our success. The Garmin/Slipstream Pro Cycling Team has accomplished much in a short period of time. They have amassed race wins across the globe and developed into one of the world's top teams. FELT-sponsored track racers have ridden the TK1 to World Championships, national records, an Olympic medal and more. Our world-class multi-sport roster owns both Olympic gold medals from Beijing and more triathlon titles than any other competitors. This is the type of success that really drives FELT.

And as invigorating as victory can be, we recognize that going fast is not the ultimate goal of all cyclists. We understand that the best possible bike means different things to different people. Our fixies and Urban lines combine style, simplicity and soul into design-specific products that will change the way you think about a bike. After all, it's the journey that really counts.

We feel that the 2010 FELT line of bicycles and products is our best ever, and we believe if you choose a FELT you have selected a bicycle that is the very finest in its class. We think our bikes make each and every cycling experience that much more enjoyable. We hope you do, too.





# TECHNOLOGY ICONS



## **EQUILINK™**

Our award-winning patented suspension design completely isolates active working suspension from drivetrain or braking influence.



## **HIGH MODULUS CARBON FIBRE**

HM is a T700-based blend and has a tensile strength 7.9 times greater than 3/2.5 titanium, and stiffness 3.34 times greater than 6061 aluminium. HM makes carbon fibre more affordable than it has ever been before.



## **ULTRA-HIGH MODULUS CARBON FIBRE**

UHM is a blend based on M30S and is 27% stiffer than the material we use in our High Modulus frames. Ultra-High Modulus material holds less resin which results in a frame 20% lighter than one made from High Modulus while retaining virtually identical strength and stiffness. There is no better combination of value and performance in carbon fibre than UHM.



## **ULTRA-HYBRID CARBON FIBRE WITH NANO TECHNOLOGY**

UHC-Nano is created by sourcing material from several of the top carbon fibre mills. We use SB60, M30S and T700 and carefully place each material according to its greatest use; stiffer fibres are used at the bottom bracket and down tube while tougher fibres are placed where they are needed most. This results in a frame of unparalleled strength, stiffness, performance and low weight. UHC-Nano is a no-compromise material for the rider seeking the very best in performance.



## **BAYONET™**

By moving the fork's steerer tube outside the frame we were able to increase front-end stiffness and steering precision, while dramatically decreasing wind drag. The Bayonet™ is world's fastest, most aerodynamic fork in use today.



## **ALUMINIUM**

We use only the highest grade 7000-series and 6061 aluminium tubing available. These premium grades give our products the optimal blend of strength, low weight, performance and value. We hydroform, double-butt and taper each tube for its particular placement and use. These steps result in a lightweight, responsive frame that minimizes rider fatigue, making every ride as enjoyable as possible.



## **AERO TECH™**

These products directly benefited from advanced computer design work using Computational Flow Dynamic software and extensive wind tunnel testing to make them as aerodynamically efficient as possible. Riders can rest assured there is no faster technology on the market.



## **FELT DEVOX™**

This indicates some part use within our new ultra-premium quality component offerings such as a fork, handlebar, stem, saddle or tyre. When you see the Felt Devox™ name, you know that particular part or component is held to the very highest technological and performance standard.



## **INTERNAL CABLE ROUTING**

The flow-through design of our internal cable routing found in our aerodynamic designs makes installing cables a cinch while greatly reducing wind drag. Internal cable guides eliminate the need to hunt for the end of a newly inserted cable. O-ring seals prevent contaminants from entering the frame and gumming up the function of brake or shifter cables.



## **FIT WOMAN™**

Indicates a particular product is specifically designed for a woman's anatomy. These products will all include a detailed combination of woman design-specific geometry and tube length, frame material layout, anatomical component selection and more.



## **FRAME**

Indicates these bicycles are also available as a frame-only.





# FELT DESIGN METHODOLOGY

*When Felt introduces a new bicycle, its debut comes at the end of a long and rigorous development process. From initial concept to finished product, the process can, in some cases take years to complete.*

It starts with a lot of dialog. Between our pro teams and athletes, our engineers and product designers, there is never a shortage of ideas (and opinions). It's a big round-table process guided by a certain set of objectives. Before the engineers get serious we zone in on the cycling discipline and the ultimate goal. And then the real work begins.

FELT engineers design every frame and fork from the ground up using sophisticated CAD software called Pro-Engineer as well as Solidworks. This software allows them to specify every dimension of every tube, as well as the shape of each. Components such as derailleurs, wheels and brakes can be fitted to the 3-D model to check all fit and function before a single sample is made. The engineers determine the handling geometry as well as the dimensions for each size frame. This is where a bicycle's character begins to take shape. Engineers start to plan for aerodynamics and stiffness through tube shape and wall thickness. And for full-suspension designs, this is the point at which the linkage is designed and wheel path is determined. This is the phase in which some of FELT's most iconic designs, including Equilink™ and the Bayonet™ Steering System, have been conceived

In designs where aerodynamics is a factor, the 3-D solid model is imported in computational fluid dynamic (CFD) software called Star CCM+. CFD is like having a virtual wind tunnel in a workstation. Tube profiles can be reshaped and refined dozens of times before any sort of prototype is made. By the time we enter the wind tunnel with a prototype, the design has been through hundreds of hours of analysis. With our homework already completed, what we typically learn at this point is that the design is ready to proceed. Wind-tunnel testing also presents the opportunity to refine the design a bit further. Small tweaks are made to finalize the design before the manufacturing molds are created. So, as you can see, the wind tunnel is used for both development and validation.

This process is different from the way most other manufacturers do things. It has become fashionable to market the fact that bikes are wind tunnel tested. The truth is, anybody can book wind tunnel time and test a bicycle. The difference is, FELT bikes are wind tunnel developed.

The final phase of our development is where a first mold is developed and carbon fiber prototype frames are made (or in the case of aluminum frames, they are welded). With carbon we will experiment with different lay-up configurations and different blends of material. We then perform static load and stiffness tests in the lab to gauge the strength-to-weight and stiffness of the samples; our own internal strength standards are higher than even the most stringent U.S. and European government regulations require. We inspect these prototypes closely for manufacturing tolerances, surface finish and alignment among other details. Finally, we ride the prototypes to make sure they deliver the ride quality we are seeking. Riding prototypes helped us determine our signature UHC blend of carbon fibers.

Each model has a different design cycle based on its use. Full-suspension and aerodynamic models spend a great deal of time in development before a first prototype is made, while carbon fiber road bikes and hardtails will go to prototyping much sooner, but stay in that phase much longer. Getting the blend of materials just right, in order to find that lively feel while maintaining strength, stiffness and low weight, can require many prototypes.

The stamp of approval comes when we get a thumbs-up from our teams and athletes. If it works for the very best in the world and they approve it (and ultimately win with it), we are comfortable bringing it to market.

By taking a flexible development approach based on the needs of each bicycle, rather than applying the same approach to all of them, we are able to focus our efforts on the most critical elements of each model. There are other ways to develop a bicycle - methods that are faster, cheaper and less expensive. They don't interest us. Our method takes longer but it results in a better bicycle.



# CARBON FIBRE AND FELT

## *Carbon Fibre and Felt*

Successfully used in aerospace, motor sports and other applications for years, carbon fibre is also considered the ultimate material for high-performance bicycles. With an incredibly high strength-to-weight ratio, the material is an engineer's dream. It's lighter than aluminium and stronger than steel, and a properly constructed carbon fibre frame can achieve an incredible ride quality with the stiffness and agility that performance-minded riders desire.

When FELT introduced its first carbon fibre frame, it was after exhaustive research on material grades and manufacturing techniques. Even though plenty of bike manufacturers were starting to use it, FELT engineers wanted to be absolutely certain that every carbon fibre bike it produced lived up to the company's high standards of performance and durability.

## *Grading Carbon Fibre*

Raw carbon fibre is made with extremely thin, strong fibres. These fibres come in many different grades - or in engineering terms, "modulus" - based on the material's strength and stiffness. The higher the grade, the more it costs.

Higher grades of carbon fibre have a higher tensile modulus and are therefore stiffer. This is a good thing. However, high-grade carbon fibre can also be trickier to work with because of the need to maintain a balance between stiffness, strength and durability. It's that balance that FELT always strives for. A frame that's simply lighter, or stiffer, isn't necessarily better. The goal is to balance all of the elements that make a bike perform best when it hits the road or trail.

In addition to being a challenge to optimise, higher-grade carbon fibre is also more expensive. For these reasons, many bicycle manufacturers steer clear of the material. But FELT believes the investment is worth it. Starting with the best materials available is essential to achieving the ride quality that our engineers, and our professional athletes, demand.

## *Making The Frames*

There are many ways to use carbon fibre in bicycle manufacturing. At one end of the spectrum is an age-old method called lug-and-tube. This is the way steel-tube frames have been built for more than a century. With this method, carbon fibre tubes are bonded to lugs, which can be made from aluminium, titanium or carbon fibre. The tubes are inserted into the lugs and the joint is glued together.

The lug-and-tube technique typically results in an overlap of extra material and therefore results in a frame that's heavier than necessary. Lug-and-tube construction also produces a distinctly "flatter" ride feel because it utilizes so many individual parts and overbuilt intersections.

At the opposite extreme is the technique used by FELT: modular monocoque construction. We start with sheets of unidirectional fibre (picture long, straight, black hair). These sheets, or plies, can be made from fibres with different levels of modulus (60T, 40T and 30T), depending on the specific intended usage of the bike. They can also be mixed and matched. For instance, is the bike aimed at competitive racers who favour light weight and pure performance over anything else? Or is it a sprinter's bike, built for someone who prefers additional stiffness at the cost of a few grams?

In addition, these unique plies can also be precisely located in the frame to take maximum advantage of their specific properties. For example, stiffer fibre plies may be used in areas of peak stress such as the bottom bracket shell and down tube while higher-strength fibre plies are used in areas particularly susceptible to impact.

Once the perfect blend of materials is established through prototype testing and team feedback the final lay-up is documented and ready for production. During production, the sheets of carbon fibre are already "pre-impregnated" with an epoxy resin, and then plies are cut to the shapes needed to construct the frame. These plies are strategically laid onto specially shaped urethane mandrels. Once the lay-up is complete, it is placed into a symmetrically split CNC-machined mold (think waffle iron). An internal bladder is inserted, and the mold halves are closed and locked. The bladder is then inflated, pushing the carbon fibre firmly against the mold with a precise amount of pressure and heat.

When the heating process is complete, the mold is opened up and the cured frame is removed. Any remaining urethane mandrels or internal bladder material is then removed. The result, effectively, is a perfect frame every time. Because each frame size must have its own moulds, monocoque construction is considerably more complicated and expensive than other methods. But the ride quality and unparalleled strength makes it worthwhile. A FELT modular monocoque frame has a lively, responsive feel that's unequalled by any other bike in the world.

Of course, materials and manufacturing aren't everything. Prior to all of this, FELT engineers have already spend countless hours in front of their CAD workstations calculating exactly how loads are applied to a bicycle frame to determine the best shape and size of the tubes and intersection areas.





## ***FELT Carbon Fibre Grades***

FELT currently uses three types of its own design-specific blends of carbon fibre: UHC-Nano, UHM and HM.

### ***UHC-Nano***

Simply put, FELT's UHC-Nano is the absolute finest blend of frame material in the world. Because of a cutting-edge construction technique and Nano resin system, UHC-Nano frames maximize the amount of Ultra High Modulus material that can be used. The secret is this proprietary resin matrix. With most carbon bicycle frames, standard epoxy resin is used as a binder to hold the individual fibres together in their desired locations and orientations. But FELT's Nano Tech is anything but standard. It actually enhances the performance of the frame at the molecular level of the resin with a stronger bond between the individual fibres.

This system results in improved impact strength, but it also enhances the performance characteristics of the bike. How? By giving FELT engineers more options. With improved strength and impact resistance, they can use more of the Ultra High material to add stiffness without the frame becoming too fragile. The thinner walls, improved stiffness and snappy ride quality are all results of the Nano Tech resin.

With this material, we could have chosen to shave a few more grams off the UHC-Nano frames, but with the bikes already so light that our pro team mechanics sometimes have to add weight just to meet the UCI's minimum competition weight, we instead increased the impact strength and stiffness. So our stiffest and lightest frame is now that much more durable.

### ***Ultra High Modulus (UHM)***

The raw fibres used in FELT's Ultra High Modulus frames allow FELT engineers to meet their stringent requirements for rigidity and strength with less material than the High Modulus frames. The highly refined threads of UHM typically have a higher fibre to resin ratio, which results in a lightweight, lively frame that's perfect for competitive riders and racers.

Similar to the way metallic frames gain ride quality and liveliness with thinner tube walls, the UHM fibres allows our designers to use incredibly thin-walled tubing. The end result? UHM frames are 20% lighter while remaining just as stiff and strong.

Working with UHM fibres does present certain engineering challenges. For instance, a fibre with more stiffness and strength is also more brittle. Though capable of sustaining massive loads, these fibres are less tolerant of tight-radius bends in the manufacturing process. So thoughtful design is critical. FELT engineers are careful to include as few tight bends as possible, which not only prevents the fibres from fracturing during manufacturing but also guarantees that the material yields the lightest possible frame.

### ***High Modulus (HM)***

FELT's High Modulus clearly illustrates why carbon fibre is ideal for performance bicycle frames. Consider the facts: It's eight times stronger than 3/2.5 titanium, more than three times stiffer than 6061 aluminium and less than one-fourth the density of steel. Moreover, it can be formed into a wide variety of shapes and exhibits nearly infinite fatigue life.

HM frames have that signature FELT feel with unmatched durability. It's perfect for riders who want a performance bike that's strong enough to last for years. Even the least expensive carbon fibre road bike in FELT's 2010 line, the F5 SL, uses premium grade high-modulus fibres for its sleek frame and all-carbon fork. The materials used in this entry-level carbon road racer are on par with many manufacturers' top-of-the-line models.

There's a reason the F5 SL's frame technology is so evolved. Just a few years ago, the same technology was used for FELT's F1 frameset. So today's F5 SL incorporates all the advantages of a bike that, not too long ago, was our flagship pro road race model. Because of FELT's commitment to advancing its carbon fibre technology, you can experience a level of performance previously unheard of at this price.

### ***What does it all mean?***

It means that when you choose a FELT carbon fibre product, you can ride it with the confidence, trust and ultimate satisfaction you would expect from a world-class product. It has been researched, tested and re-tested long before you ever ride it, and it has been developed with the help of some of the world's top professional racers. It means you will experience unmatched engineering superiority and performance for the ride of your life.





# FELT BAYONET™ 2

## *Thinking outside the head tube*

Rule 1.3.020 of the UCI technical guidelines specifies that no frame member shall have a depth greater than 8cm or a width narrower than 2.5cm, nor shall it exceed the aspect ratio of 3:1. This is our engineer's challenge.

The head tube of our sleek DA frame was already pushing the limits with its NACA airfoil-shaped profile and narrow width housing a smaller 1" steerer tube. So what were FELT designers to do in their quest to produce the fastest bike in the world?

## *Get creative, which is exactly what we do best*

Thanks to countless hours in front of our computational fluid dynamics workstations and true wind tunnel development – not just after-the-fact testing – the combination of our Bayonet 2 fork and DA head tube yields an extra-slippery aspect ratio of 3:1 where it is most effective: right at the leading edge of the bike.

As a result, we were able to reduce total bike drag by a whopping 10% (roughly 80g) compared to a standard 1" aero-bladed fork, unequivocally making our DA the fastest UCI-legal time trial bike in the pro peloton.

We didn't just set out to claim the aerodynamics prize, though. By moving the steerer tube outside of the narrow head tube, our designers were able to make it larger and stiffer for improved rigidity and handling responsiveness. In addition, the massive aero crown gives rise to extra-deep aero fork blades, again making for a dramatically stiffer overall package. In fact, the Bayonet 2 is a mind-blowing 60% stiffer than a usual 1" front end, making it even stiffer than a standard 1-1/8" steerer or even any of those new-fangled tapered designs, both of which are appreciably less aero as well.

So not only is the Bayonet 2 front end the most aerodynamic in the world, it's also among the most precise handling, too.

Naturally, it wouldn't make any sense to strap on a non-aero standard stem, so we've developed a clever adjustable stem system for our Bayonet 2 as well. We offer lengths from a stubby 90mm all the way to 145mm and everything in between, and each is also adjustable in angle from -20 degrees (from horizontal) to 105 degrees.

Installation of the Bayonet 2 system is no more complicated than a regular fork, making life easier for your favourite mechanic and ensuring that the familiar system will always be properly tuned. In the event of some sort of mishap, you could even sub a standard fork into the standard 1"-compatible head tube – though you'd be slower. Yes, we've thought of everything.

## *More aerodynamic. Stiffer. Sleeker. More adjustable.*

One ride on our wind-splitting Bayonet 2-equipped DA is all you'll need to convince yourself that it's simply the fastest ride around.

## *Bayonet™ 2 - THE SUMMARY*

- Bayonet™ is the best of all worlds: more aerodynamic than a standard 1-1/8" steerer, stiffer than even a tapered steerer, and faster than anything else in the world. Simply put, it's the finest aero front end on the market.

- Free yourself from conventional constraints on how the front end of a bike should look and function and the result is the revised Bayonet™ 2 steering system. By moving the narrow 1" steerer tube outside of the head tube, our designers were able to build a system that is faster than anything else out there while sacrificing nothing in the process. The leading edge of the Bayonet™ 2 fork creates an especially slippery combined airfoil section in combination with the shielded head tube (decreasing complete bike drag by more than 10% in fact) and the external steerer in combination with especially deep fork legs is 60% stiffer than a conventional 1" front end for razor-sharp handling.









ROAD & RACE



# AR

SERIES



At the speeds racers travel aerodynamic efficiency can make the difference between winning and finishing in the pack. Thanks to our experience and commitment to solo-effort technology, including being the makers of the world's fastest UCI-legal TT and track bikes, we knew it was possible to make a road bike even faster. Introduced last year at the Tour de France, the AR was conceived, designed and built on the premise that road bikes can be made more aerodynamically efficient. The project was inspired in part by the desires of Garmin/Slipstream Pro Cycling Team and it is they who immediately benefited from its existence.

This UCI-legal frameset including its design specific down tube, head tube, chainstays, seatstays, fork blades and a wheel well-style conforming seat tube, adopted the shielded internal cable routing found in our successful DA to maximize the bike's aerodynamic advantage. The result was immediate and tangible. Against its true adversary - the wind - the AR's advantage is clear. In the spring of 2008, San Diego Wind Tunnel testing with the AR proved that, depending on speed and the wind conditions, a rider can reasonably expect to save 58-75 seconds per hour of riding vs. Identical conditions on a round tube bike. To date it is the fastest aero road bike ever tested.

Imagine it: a 3 hour ride = 3(+) minutes saved. Depending on the perspective, it's either free time or less effort - either way it is a tremendous benefit. This benefits anybody, at any speed.

The AR is the bike Garmin/Slipstream uses any time its riders put a nose in the wind. It is the perfect bike for sticking a breakaway, or for bringing one back. Having just received their bikes a few weeks earlier, the team rode the AR to immediate success in the 2008 Tour de France when Will Frischkorn spent the entire day in a breakaway, ultimately taking second in Stage 3. The setting was perfect: A 5+ hour stage with just four men meant at least 1-1/4 hours at the front. Since then the AR has been used week-in and week-out by our pro team as a part of their on-going equipment stable.

Like all of our road bikes the AR maintains the crisp handling characteristics including necessary stiffness and ride quality for which FELT is known. We use only the finest materials available including our proprietary blends of carbon fibre. The end result is a bike like no other.

We've outfitted each of the AR's with a complement of truly race-ready parts. From aerodynamic wheels to gearing biased to racing speed, the AR-series bikes are designed and built to deliver you to your fastest performances ever.

## AR1

SPEC: Felt Aero Road UHC-Nano Carbon Frame, Felt 1.1A Bladed Aero UHC-Nano Carbon fork, Shimano 20spd Dura-Ace Di2 groupset, Shimano Dura-Ace 50mm carbon wheelset, OVAL R910 RBT Stem, OVAL Aero R910 Bar, DEVOS Team Issue Saddle. COLOUR: Matte Clear & Red SIZE: 700c x 51,54,56,58,61cm WEIGHT: 15.21lb/6.91kg





## AR GARMIN TEAM

SPEC: Felt Aero Road UHC-Nano Carbon Frame, Felt 1.1A Bladed Aero UHC-Nano Carbon fork, Shimano 20spd Dura-Ace STI, Dura-Ace groupset, Zipp 404 Tubular Carbon Wheelset, 3T ARX Team stem, 3T Ergonova Team Bar, f'i'zi:k Arione Team Saddle. COLOUR: Team Issue SIZE: 700c x 51,54,56,58,61cm WEIGHT: 14.94lb/6.79kg



## AR2

SPEC: Felt Aero Road UHC-Nano Carbon Frame, Felt 1.1A Bladed Aero UHC-Nano Carbon fork, Shimano 20spd Dura-Ace STI, Dura-Ace groupset, Felt AeroR1 Carbon wheelset, Felt 1.1 Carbon Stem, Ritchey Evolution Carbon Bar, Felt 1.1 Road Saddle. COLOUR: Matte Clear & White SIZE: 700c x 51,54,56,58,61cm WEIGHT: 15.98lb/7.26kg



## AR3

SPEC: FELT Aero Road UHM Carbon Fibre Frame, Felt 1.3A Bladed Aero UHM Carbon Fork, SRAM 20spd RED DoubleTap shifters, SRAM RED mechs, SRAM S900 Carbon crankset, Felt AeroR1 wheelset, Felt 1.2a Aero Carbon Bar, Felt 1.2 Road Saddle. COLOUR: Gloss Clear & White SIZE: 700c x 51,54,56,58,61cm WEIGHT: 16.77lb/7.62kg



## AR4

SPEC: FELT Aero Road UHM Carbon Fibre Frame, Felt 1.3A Bladed Aero HM Carbon Fork, Shimano 20spd Ultegra STI, Ultegra groupset, Felt AeroR1 wheelset, Felt 1.1 stem, Felt 1.3 Bar, Felt 1.1a UHM Carbon s/post, Felt 1.2 Road Saddle. COLOUR: Matte Clear & Pewter SIZE: 700c x 51,54,56,58,61cm WEIGHT: 16.93lb/7.69kg

### GEOMETRY - AR TEAM, AR1, AR2, AR3, AR4

Size (cm)	51	54	56	58	61
Head angle°	72.5	73	73.5	73.5	74
Seat angle°	74.5	73.5	73.1	73	73
Top tube horizontal	530	545	560	575	603
Head tube	121	141	161	181	201
Seat tube c-t	510	540	560	580	610
Standover	749	774	794	798	816







Our classic design road bike series, the F series represents all that is performance-oriented in FELT's road bike line-up. These rigs are our crispest handling machines and perfect for the rider who needs to dive through corners, slip through tiny gaps and accelerate in an instant. With its horizontal top tube, shorter head tube, sharp trail and tight wheelbase riders can achieve a full performance body position and know that their bike is capable of anything they are.

The F is one of the primary road bikes of the Garmin/Slipstream squad; a little more than half of their roster has selected this bike for the rigours of their daily pro schedule. It has won everything from stages at the Paris-Nice and Tirreno-Adriatico, to the Tour of Missouri overall and a top-5 in the Tour de France. To say these bikes are both fast and proven would be something of an understatement.

One of the hallmarks of our all our bikes, F-series included, is consistent handling and stiffness. No matter whether you are riding the F1 or the F95, the biggest frame or the smallest, we keep the handling consistent from size-to-size and dial the stiffness so that every rider enjoys the same responsiveness in the saddle and out of it. You can have the same experience as the Garmin/Slipstream pros, no matter how deep or shallow your pocketbook.

Each F-series bike is equipped with a component package designed to deliver you to your best race performance possible. In race conditions, a bike must respond to instantaneous demands consistently and reliably. Our product development team has worked diligently to build the perfect bike, no matter the price point. They selected each component to give the best possible combination of performance and value. After all, the only surprise at the end of the day should be the looks on the faces of the racers finishing behind you.

## F1

SPEC: Felt UHC-Nano Carbon Fibre Frame, Felt 1.1 UHC-Nano Carbon Fork, Shimano 20spd Dura-Ace STI, Dura-Ace groupset, Dura-Ace Carbon Wheelset, Devox Stem, Devox UHC-Nano Carbon Bar, Felt 1.1 Carbon s/post, Devox Team Issue Saddle. COLOUR: Matte Clear (black, red, white) SIZE: 700c x 52,54,56,58,60cm WEIGHT: 13.98lb/6.35kg







F3

SPEC: Felt UHM Carbon Fibre Frame, Felt 1.2 UHM Carbon fork, SRAM 20spd RED DoubleTap shifters, SRAM RED mechs, SRAM S900 Carbon crankset, Fulcrum Racing 5 Wheelset, Felt 1.2 stem, Felt 1.4 Bar, Felt 1.2 carbon s/post, Felt 1.2 Road Saddle. COLOUR: Gloss White & Clear (cyan, blue) SIZE: 700c x 50,52,54,56,58,60cm WEIGHT: 16.66lb/7.57kg

UHM



F4

SPEC: Felt HM Carbon Fibre Frame, FELT 1.3 HM Carbon Fork, Shimano 20spd Ultegra STI, Shimano Ultegra groupset, Shimano WH-RS20 Ultegra Wheelset, Felt 1.2 stem, Felt 1.4 Bar, Felt 1.2 Carbon s/post, Felt 1.2 Road Saddle. COLOUR: Gloss White & Clear (black, green) SIZE: 700c x 50,52,54,56,58,60cm WEIGHT: 17.45lb/7.93kg



F5

SPEC: Felt HM Carbon Fibre Frame, FELT 1.4 HM Carbon Fork, Shimano 20spd 105 STI, Shimano 105 groupset, Mavic CXP-22S Rims, Felt Sealed Hubs, Felt 1.2 stem, Felt 1.4 Bar, Felt 1.2 Carbon s/post, Felt 1.2 Road Saddle. COLOUR: Gloss Red & Clear SIZE: 700c x 50,52,54,56,58,60cm WEIGHT: 18.22lb/8.28kg

HMC

GEOMETRY - F95 TEAM							
Size (cm)	50	52	54	56	58	60	
Head angle*	72	73	73	73.5	74	74	
Seat angle*	76	75.5	74.5	73.5	73.5	73.5	
Top tube horizontal	525	535	545	560	580	600	
Head tube	110	110	120	140	160	190	
Seat tube c-t	480	500	540	560	580	600	
Seat tube c-c	442	462	502	522	542	562	
Standover	719	736	776	795	815	837	

GEOMETRY - F1, F3, F4, F5							
Size (cm)	50	52	54	56	58	60	
Head angle*	72	73.5	73	73.5	74	74	
Seat angle*	76	76	74.5	73.5	73.5	73.5	
Top tube horizontal	525	535	545	560	580	600	
Head tube	110	110	120	140	160	190	
Seat tube c-t	480	500	540	560	580	600	
Seat tube c-c	442	462	502	522	542	562	
Standover	734	746	773	792	811	834	



F95 GARMIN TEAM

SPEC: Felt Butted F-Lite 7005 Aluminum Frame, Felt Carbon Design Fork w/Aluminium Steerer, Shimano 16spd 2300 STI, Shimano Sora r/mech, FSA TEMPO Compact crankset, Alex R500 Rims, Felt Sealed Hubs, Felt 1.3 Stem, Felt 1.5 Bar, Felt 1.3 Saddle. COLOUR: Team Issue Replica SIZE: 700c x 50,52,54,56,58,60cm WEIGHT: 21.16lb/9.62kg



# Z SERIES



The Z is our classic alternative geometry bike - a bike built for enjoyable riding days, whether competitive or recreational. We took the assured handling of our time-tested F-series and repackaged it to include more variable positions. The fact is that for decades the bikes raced to victory at the Tour de France were a bit different from the race bikes popular today. Those bikes were calmer on descents, offered great vibration damping to lessen fatigue and featured a slightly more upright rider position. These design elements and ride characteristics went into the thinking behind the Z.

Z-series frames use a slightly longer head tube to give greater choice in handlebar and overall rider position. They feature a sloping top tube for increased stand-over clearance and benefit from improved vertical compliance due to a more exposed seatpost. Thanks to a longer front-center and chainstays the Z enjoys a slightly longer wheelbase than our other road bikes, resulting in confident handling at any speed. We do all this and still pack the same torsional stiffness and bottom bracket rigidity into the Z as our legendary F bikes. It all adds up to a rig capable of a classic full-race position, yet one the rider is not limited to or bound by.

Even with its distinctly different look and all of its adjustability it would be a mistake to think of the Z as a non-performance oriented bike. The Z is the bike raced by almost half of the Garmin/Slipstream pro team including Dan Martin, Trent Lowe, Will Frischkorn and others, all who have opted for the Z as their first-choice race bikes depending on the course.

Whether you select a Z model with its UHC Nano or one of our lightweight aluminium/carbon models, you'll get that same assured handling and race-worthy stiffness for a ride that is as responsive as it is confidence-inspiring.

All of our Z-series bikes are built with a component package to give you ideal fit, gearing for any terrain and the utmost in reliability. We've equipped each bike with either a compact or triple crankset combined with a wide-range cassette to make tackling hills a cinch no matter what your speed is. If ever there was a bike to inspire your best, the Z is it.

## Z2

SPEC: Felt UHM Carbon Fibre Frame, Felt 1.2 UHC-Nano Carbon fork, Shimano 20spd Dura-Ace Di2 STI, Dura-Ace Di2 mechs, Ultegra crankset, Shimano RS80 Carbon Wheelset, Devox UHC-Nano Carbon Bar, Felt 1.2 Carbon s/post, Felt 2.1 Road Saddle. COLOUR: Gloss Hyper Black (red, white) SIZE: 700c x 51,54,56,58,61cm WEIGHT: 16.91lb/7.69kg

UHM





Z SERIES



Z4

SPEC: Felt UHM Carbon Fibre Frame, Felt 1.3 HM Carbon fork, Shimano Ultegra 20spd STI, Shimano Ultegra groupset, MAVIC Ksyrium Elite Wheelset, Felt 2.1 Adjustable Stem, Felt 1.3 Aero Alloy Bar, Felt 1.2 Carbon s/post, Felt 2.2 Anatomic Road Saddle. COLOUR: Gloss Carbon & Blue (white) SIZE: 700c x 51,54,56,58,61cm WEIGHT: 17.36lb/7.89kg

UHM

GEOMETRY - Z2, Z4, Z5					
Size (cm)	51	54	56	58	61
Head angle°	72	72.5	72.5	72.5	72.5
Seat angle°	74.5	74	73.5	73	73
Top tube horizontal	525	545	560	575	595
Head tube	140	160	180	200	220
Seat tube c-t	470	500	520	540	570
Seat tube c-c	429	447	467	487	517
Standover	729	748	767	786	812



Z5

SPEC: Felt HM Carbon Fibre Frame, Felt 1.4 HM Carbon fork, Shimano 20spd 105 groupset, Mavic CXP-22N Rims, Felt sealed hubs, Felt 2.1 Adjustable stem, Felt 2.3 Relaxed Bar, Felt 1.2 Carbon s/post, Felt 2.2 Anatomic Road Saddle. COLOUR: Gloss Clear (white, yellow) SIZE: 700c x 51,54,56,58,61cm WEIGHT: 18.16lb/8.25kg

HMC



Z SERIES



GEOMETRY - Z75					
Size (cm)	51	54	56	58	61
Head angle°	72	72.5	72.5	72.5	72.5
Seat angle°	74.5	74	73.5	73	73
Top tube horizontal	525	545	560	575	595
Head tube	140	160	180	200	220
Seat tube c-t	470	500	520	540	570
Seat tube c-c	430	455	475	495	525
Standover	723	744	764	783	809

Z75

SPEC: Felt F-Lite Butted 7005 Aluminum Frame w/Carbon Seat Stays, Felt 1.4 HM Carbon fork, Shimano 20spd 105 groupset, Mavic CXP-22N Rims, Felt sealed hubs, Felt 1.3 stem, Felt 2.3 Relaxed Bar, Felt 1.2 Carbon s/post, Felt 2.2 Anatomic Road Saddle. COLOUR: Gloss White (black, green) SIZE: 700c x 51,54,56,58,61cm WEIGHT: 19.74lb/8.97kg



GEOMETRY - Z85					
Size (cm)	51	54	56	58	61
Head angle°	72	72.5	72.5	72.5	72.5
Seat angle°	74.5	74	73.5	73	73
Top tube horizontal	525	545	560	575	595
Head tube	140	160	180	200	220
Seat tube c-t	470	500	520	540	570
Seat tube c-c	425	445	465	485	515
Standover	720	738	757	777	803

Z85

SPEC: Felt F-Lite Butted 7005 Aluminum Frame, Felt 1.4 HM Carbon fork, Shimano 18spd Tiagra STI, Shimano Tiagra groupset, Alex R500 Rims, Felt sealed Hubs, Felt 2.1 Adjustable stem, Felt 2.3 Relaxed Bar, Felt 1.3 Carbon s/post, Felt 2.3 Anatomic Road Saddle. COLOUR: Matte Black (white, red) SIZE: 700c x 51,54,56,58,61cm WEIGHT: 19.90lb/9.05kg



GEOMETRY - Z100					
Size (cm)	51	54	56	58	61
Head angle°	72	72.5	72.5	72.5	72.5
Seat angle°	74.5	74	73.5	73	73
Top tube horizontal	525	545	560	575	595
Head tube	130	150	170	190	210
Seat tube c-t	470	500	520	540	570
Seat tube c-c	425	445	465	485	515
Standover	720	738	757	777	803

Z100

SPEC: Felt F-Lite Butted 7005 Aluminum Frame, Felt Carbon fork, Shimano 24spd STI w/ top mount levers, Shimano 2300 mechs, Shimano crankset, Alex R500 Rims, Felt sealed Hubs, Felt 1.3 stem, Felt 2.3 Relaxed bar, Felt 2.4 Anatomic Road Saddle. COLOUR: Gloss White (black, red) SIZE: 700c x 51,54,56,58,61cm WEIGHT: 21.77lb/9.90kg







Z SERIES



# ZW

SERIES



Three years ago, when we launched our now heralded line of women's bicycles, we did so for a simple reason: Traditional bicycle fit and women's needs are distinctly different. Now, on the heels of our extremely successful debut of the Fit Woman™ line we are pleased to present this newly expanded category of bikes designed exclusively for women – the 2010 ZW line.

Our goal in creating the ZW line was to address the unique needs of a woman and to build a line of bikes that in detail addressed every anatomical issue – both big and small. Most companies are inclined to take a small bike, change the seat, paint it pink and call it a day. Not FELT. Like everything we do, we start from scratch.

The ZW frame begins with our popular Z-series as its starting point. Thanks to a longer front centre and seatstays the ZW enjoys the same assured handling of the Z, the increased choice of bar position for more position control, the sloping top tube for superior stand-over clearance and improved vertical compliance thanks to a more exposed seatpost.

Design criteria in place, we then reverse engineered the geometry by zeroing in on the desired fit. Because a woman's body has distinctly different proportions than a man's, we knew simply making a smaller frame wouldn't cut it. Our engineers poured over all of the anatomical differences. We tapped into the company's sisterhood for all of their input. We spoke in depth with our pro women athletes. The result has been nothing short of a complete success and delivery comes in the form of four pinpoint women-specific sizes.

The ZW bikes are built using the same materials found in our Z-series bikes however even the lay-up is women-specific. The entire ZW line uses smaller diameter tubes and thinner tube walls, as well as shorter tube intersections.

As with everything FELT, our ZW line comes with an eye on performance. FELT triathlete and 2008 Beijing Olympic Gold Medallist Emma Snowsill – all 5' 3" of her – embodies what you can attain when presented with the right bike. In winning the ITU World Championship three times, Snowsill has put the ZW through its paces. No matter what the course dishes out, she has a bike optimised for her fit, stiff enough for any effort, light enough to give her a competitive edge and designed with vertical compliance appropriate to her size. World Champion cyclist Sarah Hammer also races a ZW when on the road.

Beyond the frame, other ZW woman-specific parts and components include: slightly shorter cranks and carefully selected compact gearing; shorter stems and a narrower, shallower handlebar; brake levers with adjustable reach for smaller hands; a comfortable women specific seat, and more. So what's it all mean? It means finally, there is a bike you can call yours. One you will be comfortable on and one you will be invigorated by. A bike you will thoroughly enjoy.

## ZW5

SPEC: Felt FIT WOMEN Specific HM Carbon Fibre Frame, FELT FIT WOMEN 1.4 HM Carbon Fork, Shimano 20spd 105 STI, Shimano 105 groupset, Alex R500 Rims, Felt FW Alloy Road Bar, Felt 1.2 Carbon s/post, Felt FW Carbon Base Saddle. COLOUR: Matte Clear & Aubergine (silver, black) SIZE: 700c x 45,47,50cm WEIGHT: 17.09lb/7.77kg

HMC **fit**  
woman







## ZW75

SPEC: Felt FIT WOMEN Super-light 7005 Aluminium Frame w/Carbon Seat Stays, FELT FW Carbon Fork w/Aluminium Steerer, Shimano 20spd 105 STI, Shimano 105 groupset, Alex R500 Rims, Felt FW Alloy Road Bar, Felt 1.2 Carbon s/post, Felt FW D2 Saddle. COLOUR: Galaxy Black (white, pink) SIZE: 700c x 45,47,50cm WEIGHT: 18.75lb/8.52kg



### GEOMETRY - ZW5, ZW75, ZW100

Size (cm)	45	47	50
Head angle°	71.5	72.0	72.5
Seat angle°	75.3	74.5	74.0
Top tube horizontal	515	525	545
Head tube	120	140	160
Seat tube c-t	450	470	500
Seat tube c-c	407	429	447
Standover	702	726	749



## ZW100

SPEC: Felt FIT WOMAN Specific F-Lite 7005 Aluminium Frame, FELT FW Carbon Fork w/Aluminium Steerer, Shimano 24spd STI, Shimano 2300 mechs, Shimano crankset, Alex R500 Rims, Felt 1.3 stem, Felt FW Road Bar, Felt FW Anatomic D2 Saddle. COLOUR: Pearl White & Silver (lilac, black) SIZE: 700c x 45,47,50cm WEIGHT: 21.33lb/9.70kg



# TRI/TT

SERIES



There is no greater measure of speed than the passage of time. Stop the clock sooner than the competition and it can mean only one thing: You were fastest. In an individual event, whether a Time Trial (TT) or Triathlon, there is no hiding. No drafting. Man and machine vs. elements. In cycling, a TT is known as the "race of truth". Since the beginning, and for nearly 20 years, FELT has dedicated itself to making the fastest solo-effort bikes in the world. For 2010, that dedication and commitment - and the success that comes with it - continues.

Our design process is far and away the most time consuming and expensive in the business, but clearly yields the greatest results. After extensive internal brainstorming, detail rider meetings and feedback, and study in air flow and tube shape, we begin by creating modified NACA aerofoil profiles to guide our tube shapes to give the bike its maximum advantage over the wind. Before building a single prototype we use software called Computational Fluid Dynamics (CFD) to test the design in a virtual setting. This step helps remove much of the early trial- and error. Once satisfied with a direction, we build a first prototype model for wind tunnel testing. This gives us the opportunity to refine our design for maximum performance. Bikes are tested both with and without riders, necessary adjustments are made, and, if needed, a new prototype is produced. And so on.

Many companies claim wind tunnel testing. Taking a product into the wind tunnel after it is done is easy. The difference is our bikes are wind tunnel developed. There is a huge difference and the end-result is clear: The FELT DA is fastest UCI-legal TT bike in the world. Only one bike can make this claim.

Look closely: Design innovations such as a 1" head tube for reduced drag coupled with all-new Bayonet™ 2 Steering System which effectively moves the fork's steerer outside the frame and increases steering stiffness by 60%; the chainstay-mounted brake which reduced aerodynamic drag by 4%; immediate top tube and all-points internal brake and shifter cable routing to aid in uninterrupted airflow; a front wheel confirming downtube to smooth airflow from the front wheel across the entire bike; horizontal rear dropouts to keep the rear wheel neatly tucked into the wheel well shaped seat tube; and an aero seat tube conforming seatpost all add up to a bicycle design which is unparalleled.

On the competition front, the real-world results of FELT's elite athletes reinforce what the wind tunnel has already proven. Garmin/Slipstream timetrialists Bradley Wiggins, Christian Vande Velde, Dave Zabriskie, David Millar, Svein Tuft and others have racked up more TT wins than any other; FELT's unrivalled pro triathlon roster of Tim DeBoom, David Thompson, Fraser Cartmell, Michellie Jones, Becky Lavelle, Emma Snowsill and Daniela Ryf do it week in and week out. No TT/Tri bike is as successful as the DA.

Every TT/Tri bike in our line is outfitted with a full complement of go-fast parts. No matter what your budget is, we give each of our bikes as much aerodynamic advantage as possible to help you in your riding. With FELT, your best performance is right up the road.

## DA



SPEC: Felt Tri UHC-Nano Carbon Fibre Frame, Felt Bayonet II UHC-Nano Carbon Fork, Shimano Dura-Ace groupset, Zipp 808 front/Zipp 1080 rear wheelset, Felt Bayonet stem, Felt Bayonet UHC-Nano Carbon Base Bar, Felt 3.1 Team Issue Saddle. COLOUR: Gloss Hyper Black & Clear (red, white) SIZE: 650c x 50cm / 700c x 52,54,56,58cm WEIGHT: 16.46lb/7.48kg





TRI/TT SERIES



B2 PRO

SPEC: Felt Tri UHM Carbon Fibre Frame, Felt Bayonet II UHM Carbon Fibre fork, SRAM Red mechs, SRAM R2C shifters, Red Crankset, Zipp 404 front/Zipp 808 rear, Felt Bayonet Stem, Felt UHC-Nano Carbon Base Bar, Felt 3.1 Team Issue Saddle. COLOUR: Gloss White & Clear (green, red, white) SIZE: 650c x 50cm / 700c x 52,54,56,58cm WEIGHT: 18.16lb/8.25kg



GEOMETRY - DA, B2 PRO, B2, B12, B16					
Size (cm)	50	52	54	56	58
Head angle°	72.5	72.5	73	73	73
Seat angle° (f)	79.8	79.7	77.9	78.2	78.5
Top tube horizontal	483	503	528	540	564
Head tube	130	100	110	125	145
Seat tube c-t	500	520	540	560	580
Standover	720	743	764	779	780



B2

SPEC: Felt Tri UHM Carbon Fibre Frame, Felt Bayonet SL UHM Carbon Fork, Shimano Dura-Ace groupset, FSA Gossamer TT Mega EXO crankset, Felt TTR-2 Wheelset, Felt Bayonet stem, Felt Bayonet 6061 Base Bar & UHC extensions, Felt 3.2 Tri/TT Saddle. COLOUR: Gloss Red Pearl & Clear (black, white) SIZE: 650c x 50cm / 700c x 52,54,56,58cm WEIGHT: 19.13lb/9.0kg



TRI/TT SERIES



B12

SPEC: Felt Tri HM Carbon Fibre Frame, Felt 3.2 Airfoil Carbon Fibre fork, Shimano Ultegra mechs, Dura-Ace bar shifters, Ultegra crankset, Felt TTR-3 Wheelset, Felt Bayonet 6061 alloy bar, Felt 3.1 Carbon Fibre Bladed s/post, Felt 3.2 Tri/TT Saddle. COLOUR: Gloss Black & Carbon (white, red) SIZE: 650c x 50cm / 700c x 52,54,56,58cm WEIGHT: 19.62lb/8.92kg



B16

SPEC: Felt Tri HM Carbon Fibre Frame, Felt 3.3 Airfoil Carbon Fibre fork, Shimano 105 mechs, Dura-Ace end bar shifters, 105 crankset, Felt TTR-4 Wheelset, Felt Tri Aero Base Bar, Felt 3.1 Carbon Fibre Bladed s/post, Felt 3.3 Tri/TT Saddle. COLOUR: Gloss White (black, red) SIZE: 650c x 50cm / 700c x 52,54,56,58cm WEIGHT: 20.72lb/9.42kg

GEOMETRY - DA, B2 PRO, B2, B12, B16

Size (cm)	50	52	54	56	58
Head angle°	72.5	72.5	73	73	73
Seat angle° (f)	79.8	79.7	77.9	78.2	78.5
Top tube horizontal	483	503	528	540	564
Head tube	130	100	110	125	145
Seat tube c-t	500	520	540	560	580
Standover	720	743	764	779	780



S22

SPEC: Felt Tri Butted Super-light 7005 Aluminium Frame, Felt 3.3 Airfoil Carbon Fibre fork, Shimano bar end shifters, 105 mechs, Shimano R550 crankset, Felt TTR-4 wheelset, Felt Tri Base Bar, Felt 3.1 Carbon Fibre Bladed s/post, Felt 3.3 Tri/TT Saddle. COLOUR: Matte Black (white, red) SIZE: 700c x 52,54,56,58cm WEIGHT: 21.31lb/9.69kg



GEOMETRY - S22

Size (cm)	52	54	56	58
Head angle°	72.5	73	73	73
Seat angle° (f)	79.7	77.9	78.2	78.5
Seat angle° (r)	77.6	75.9	76.3	76.7
Top tube horizontal	503	528	540	564
Head tube	100	110	125	145
Seat tube c-t	520	540	560	580
Standover	753	768	782	802



# TRACK

## SERIES



As a company that prides itself in technology, perhaps no better forum for displaying what is possible exists than in the purest of all racing - track. One bike, one gear, one question... who is the fastest? The track is the ultimate proving ground for our ideas.

Each of our track bikes, from our world-beating TK1 to the value-packed TK3, is made with aerodynamic considerations. The TK2 and TK3 use aluminium tubing shaped according to the same aerodynamic principles that guided the development of the TK1.

All of our bikes feature CNC-machined dropouts and internally-machined bottom bracket shell. Geometry is track-specific and offers immediate sprint responsiveness and precise steering necessary in any sprint or endurance event.

While the TK1 is available only as a frameset, the TK2 and TK3 are complete bikes and each has been spec'd with parts to make them ideally suited to track competition. No gears, no brakes, no distractions, just you, your bike... and the finish line.



### TK2

SPEC: Felt Track Super-light 7005 Aluminium Frame, Felt Track Carbon fork, TruVativ Omnium Track crankset 48T, Felt TkR-2 Wheelset, Felt 3.1 White 6061 Alloy stem, Deda Pista Alloy Bar, Felt TkR Bladed Carbon fiber s/post, Felt 1.2 Road Saddle. COLOUR: Gloss White, Black, (White, Gold) SIZE: 700c x 52,54,56,58cm WEIGHT: 16.06lb/7.30kg



#### GEOMETRY - TK2, TK3

Size (cm)	52	54	56	58
Head angle°	75	75	75	75
Seat angle°	74	74	74	74
Top tube horizontal	520	540	560	580
Head tube	110	110	130	150
Seat tube c-t	520	540	560	580
Seat tube c-c	457	477	497	517
Standover	748	767	785	805



### TK3

SPEC: Felt Track Super-light 7005 Aluminium Frame, Felt Track Carbon fork, Track Chainset 48T, 15T fixed sprocket, Felt TkR-4 30mm Deep Aero Track Rims & Hubs, FELT TkR TRACK Drop Bar, FELT 1.2 Stem, FELT 1.3 Road Saddle. COLOUR: Gloss Black & Red SIZE: 700c x 52,54,56,58cm WEIGHT: 17.97lb/8.17kg



# FIXIE

SERIES

Function. Form. Style. It's all connected. Your bike is a personal statement as much as it is a transportation piece. It is as much an expression of who you are as it is how you move. As direct decedents from our track bike series, our Fixies blend proven go-fast design, reliable function and, of course, head-spinning good looks.

Getting from A to B doesn't have to be predictable and any time you throw your leg over the seat it should be a chance to have a good time. Whether you are heading off for a ride with your friends, commuting to work or school, or just zipping down to the corner store, our Fixies are perfect.

Like everything we build FELT has something technological to talk about. The quick handling street-specific Curbside and Dispatch both begin with

custom-butt and shaped Superlite aluminium tubing. With CNC-machined headtube's and BB's, heat-treated cold-forged dropouts; rack, fender and bottle mounts galore - these are the details that make a real difference. The result is a lightweight, responsive frame that can stand up to the rigours of daily use even without racing.

To finish it off, each bike comes detailed. Flip-flop hubs so you can go fixed or single speed freewheel; a 15mm FELT BEERNuts tool included so you make the wheel switch anytime; top tube frame pads and more.

So go ahead. Have a go.

## DISPATCH

SPEC: Felt Single Speed 700S Super-lite Hydroformed Frame, Felt Carbon Fork w/mudguard bosses, 16T Fixed and Freewheel, FSA VERO Single Chainset 39T, Flip/Flop High Flange Hubs, Alex R500 Alloy Rims, Felt 1.3 Road Saddle, Felt BEERNuts Axle Tool. COLOUR: Matte Black/Steel (white) SIZE: 700c x 51,54,56,58,61cm WEIGHT: 18.71lb/8.50kg





FIXIE SERIES



CURBSIDE

SPEC: Felt Single Speed Urban 7005 Super-lite Hydroformed Frame, Top Tube Pad, Felt Carbon Fork, 16T Fixed and Freewheel, URBAN Single Alloy crankset 46T, Flip/Flop High Flange Hubs, Felt Meat Stick Alloy Bar, Felt Urban Saddle, Felt BEERNuts Axle Tool. COLOUR: Custard (green, brown, white) SIZE: 700c x 51,54,56,58,61cm WEIGHT: 18.75lb/8.52kg



GEOMETRY - DISPATCH, CURBSIDE					
Size (cm)	51	54	56	58	61
Head angle°	72	73	73.5	74	74
Seat angle°	75	74.5	73.5	73.5	73.5
Top tube horizontal	525	545	560	575	590
Head tube	120	140	160	180	200
Seat tube c-t	470	500	520	540	570
Seat tube c-c	398	428	448	468	498
Standover	714	741	760	780	806



BROUGHAM

SPEC: Felt Single Speed Custom Butted 4130 tig welded Cr-Mo tube Frame, Felt Cr-Mo fork, Alloy crankset 47T, Tektro Dual Pivot brakes, Felt TkR-4 Wheelset, Felt Urban Alloy Riser Bar, Felt High Flange grips, Felt Urban Classic Saddle w/ Riveted Cover. COLOUR: Gloss Black SIZE: 700c x 51,54,56,58,61cm WEIGHT: 20.50lb/9.32kg



GEOMETRY - BROUGHAM					
Size (cm)	51	54	56	58	61
Head angle°	73	73	74	74	74
Seat angle°	76	74	74	74	74
Top tube horizontal	523	540	560	580	598
Head tube	110	130	150	170	200
Seat tube c-t	510	540	560	580	610
Seat tube c-c	448	478	498	518	598
Standover	798	823	843	864	892







**MTB**



# SIX

SERIES



The demands for a race-quality 26" wheel mountain bike are almost too numerous to build into a single bike, but we did it. To get the job done, our SIX series must be strong enough to be raced in punishing circumstances, light enough to allow a climber to ascend at race-winning pace and performance-oriented enough to track flawlessly through everything from rock gardens to loose sand. In short, our SIX series bikes aren't allowed to have a weakness.

To achieve our exemplary blend of efficiency, ride quality and durability, we begin with our now established carbon platform. We offer one of the lightest carbon fibre frames on the market. Combined with our unbeatable ride quality and category-best strength, the SIX has the efficiency of a race-worthy hardtail with the unmistakable feel of a FELT.

All carbon fibre frames feature an integrated chainguard as well as our new Dingle Guard, a Kevlar-reinforced rock guard for the downtube to protect it from inevitable stone strikes. Our 26" carbon frames are built around proven race-oriented geometry. Rider's wanting the most aggressive handling can run an 80mm fork, while those looking for a plusher, more trail-oriented ride can run 100mm of travel without compromise.

The SIX uses a one-piece integrated carbon fibre seatstay/dropout/chainstay section that increases strength and stiffness while decreasing weight. Carbon fibre's ability to form any shape means we can build in excellent tire clearance without sacrificing chainring clearance. The SIX offers the best combination of drivetrain efficiency and tire clearance of any mountain bike we have ever built.

The SIX, Pro, Team and SIX Elite are race-ready bikes out of the box. Our product managers have chosen parts with one eye on lightweight World Cup race performance, while keeping the other on every-day durability. The SIX series will redefine what you can achieve on a XC Race mountain bike.

## THE SIX

SPEC: Felt SIX Carbon XC series UHC Ultra-hybrid Carbon Nano Construction frame, RockShox SID World Cup X 100mm travel w/Poploc remote Lockout, SRAM XX Groupset, Fulcrum Red Metal Zero Wheelset, Devox Carbon Bar & Stem, Control Tech s/post. COLOUR: 2-Tone: Clear Carbon / Gloss Metal Grey SIZE: 15.5, 17.5, 19.5, 21.5" WEIGHT: 18.9lb/8.6kg

**UHC**  
NANO







## SIX TEAM

SPEC: Felt SIX Carbon XC series UHM Frame, RockShox SID RACE 80/100mm All Travel Dual Air, SRAM X-0 Shifters & r/mech, X-9 f/mech, Avid Juicy Ultimate Brakes, Truvativ Noir Carbon Chainset, Sun-Ringle Black Flag Wheelset, DEVOX Carbon Flat Bar. COLOUR: Clear Carbon/Gloss Baron Red SIZE: 15.5, 17.5, 19.5, 21.5" WEIGHT: 21.8lb/9.90kg



## SIX PRO

SPEC: Felt SIX Carbon XC series UHM Frame, RockShox Reba SL 100/85mm All Travel Dual Air, Shimano Deore XT Groupset & Brakes, Mavic XM-317 Disc Rims, Felt RXC Lite Saddle. COLOUR: Clear Carbon/Gloss Super White SIZE: 15.5, 17.5, 19.5, 21.5" WEIGHT: 23.1lb/10.5kg



## SIX ELITE

SPEC: Felt SIX Carbon XC series UHM Frame, RockShox Reba SL 100/85mm All Travel Dual Air, Shimano SLX Groupset & Brakes, Mavic XM-317 Disc Rims, Shimano SLX Hubs, Felt RXC Lite Saddle. COLOUR: Clear Carbon/Gloss Silver SIZE: 15.5, 17.5, 19.5, 21.5" WEIGHT: 24.6lb/11.2kg

### GEOMETRY - THE SIX, SIX TEAM, SIX PRO, SIX ELITE

Size (cm)	15.5	17.5	19.5	21.5
Head angle°	71	71	71	71
Seat angle°	73	73	73	72.5
Top tube horizontal	560	590	620	635
Head tube	120	120	130	150
Seat tube c-t	394	445	495	546
Seat tube c-c	343	393	441	472
Standover	716	752	786	812





### *The link changes everything*

It's hard to imagine how a single link can affect how FELT's Equilink™ suspension system feels and performs but this one link truly is key to fantastic performance on the trail.

Mountain bike rear suspension has a tough job. Not only does it have to keep your tire contact on the ground under a wide variety of conditions but it has to do so while simultaneously making the most efficient use of a decidedly weak power source: you.

This means chain tension created by your hard-earned pedaling should never go to waste, and braking forces should never eat up precious millimetres of travel. The system needs to be as light as humanly possible, and everything from washboards to drop-offs need to be controllably absorbed in order to maintain forward momentum.

### *Sounds easy, right? Hardly, but Equilink™ does it all*

With Equilink™, the bike doesn't require a solid rear triangle like some other suspension systems. Instead, it is attached by bearings and ties the upper and lower suspension links together such that neither can move without affecting the other. Under power, chain tension tries to pull the lower link down while the other wants to pivot up. However, by connecting the two, those opposing forces merely create a bit of tension in the Equilink™ and effectively cancel each other out. Moreover, the Equilink is oriented nearly perpendicular to the direction of the chain, negating its effects even further.

Think of it as two equally matched kids playing tug of war: each wants to go in their own direction but the rope keeps either from gaining any ground.

As such, chain tension produces no suspension movement whatsoever and you rocket forward as if on a hardtail. Unless your name is Bruce Banner and you're having an awfully bad day, no amount of pedaling force in the world can tear the Equilink from its anchors. It all adds up to the ultimate in pedaling efficiency.

Chain tension isn't the only force at play here, though. As you accelerate, your body weight tends to move towards the rear of the bike, creating a suspension phenomenon commonly referred to as squat. The idea is simple: shift your weight rearward and you increase the load on the suspension, thus inducing movement. Counteracting chain tension is nice and all but if weight shift isn't addressed as well you're still wasting precious watts.

Conveniently, Equilink™ takes care of this as well. By tweaking the anchoring positions on the upper and lower links, our suspension designers can fine-tune just how much leverage the Equilink™ is exerting on each one. After countless design iterations and burning lots of midnight oil, we nailed down the exact anchoring positions such that the Equilink™ tugs just a tad bit harder on the upper link than the lower. As a result, the system totally neutralizes the negative effects of both chain tension and weight shift so that none of your precious travel is wasted.

And what about braking effects? Poorly designed systems can produce squat (suspension compression) or jack (suspension extension) when the rear brake is applied, either of which can disrupt how the rear wheel tracks the ground. With Equilink™ braking forces are directed down into the stay

and are resisted by the long lever arm defined by the dropout pivot and lower suspension linkage. Slam on the brakes and the Equilink™ rear end does nothing but slow you down, all while keeping the wheel firmly planted on the ground.

### *So what's left?*

Equilink™ effectively counteracts all of the negative forces acting on the system, thus leaving the rear suspension to fulfil its main purpose in life: absorbing trail impacts of all shapes and sizes. Since the rear shock no longer has to do double duty to produce a stable pedaling platform, we worked with Fox Racing Shox to produce the lowest level of ProPedal platform valving we could get to produce the plushiest possible feel.

Perfectly engineered suspension rates and a low-leverage design offer the same buttery ride quality on small, medium and big hits alike. Moreover, the Equilink™ system's ever-so-slightly rearward axle path allows the rear wheel to move up and back to better absorb square-edged hits, yet is close enough to vertical that it doesn't produce any noticeable pedal kickback.

Equilink™ is also extremely tolerant of a wide range of shock settings as there is no single 'sweet spot'. Add in a little more pressure if you want a firmer feel or dial it back to soften things up. Either way, you still get the same superior pedaling performance.

None of this would be worth anything if the back end were allowed to wag all over the place so FELT engineers added in cold forged yokes all around, full cartridge and needle bearing pivots, cromoly thru-bolt, stainless steel hardware and oversized frame members to eliminate any out-of-plane movement.

FELT Equilink™. It looks different because it is, and works better because of it. One ride is all you'll need to prove to yourself that nothing is faster pedaling, smoother riding or truer tracking.

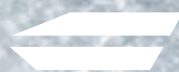
### *Equilink™ - THE SUMMARY*

- Equilink™ is like sports car suspension adapted to the trail: hardtail-like pedaling performance, unbeatable traction and a taut, communicative yet unbeatably supple feel that isn't hampered by heavy-handed compression valving.

- Some suspension systems claim to perfectly neutralize the ill effects of chain tension while others concentrate on the shifting weight of the rider. FELT does both by uniting the upper and lower suspension rockers with a unique additional member called Equilink™. Its perpendicular orientation relative to chain tension means even the stronger pedaling won't induce movement when hammering out of the saddle, while carefully engineered anti-squat geometry keeps the suspension at the ready regardless of where you position your mass. Add with forged yokes, full cartridge bearing pivots, stainless steel and cromoly hardware, nothing is smoother riding and truer tracking.



# FELT EQUILINK™





# VIRTUE

SERIES



Our full-suspension bike, the Virtue represents our original suspension effort and is the bike which FELT's patented Equilink™ design platform was first launched. With 5" (130mm) of user-tunable full-active travel, the Virtue combines the agility and performance of a full-suspension cross-country bike with the ease and control of a bump-eating trail bike. From our blend of cutting-edge frame materials to the ultra-efficient Equilink™ suspension, the Virtue is one of the most versatile suspension bikes on the market.

With a refined front triangle for even better performance, a slightly lower bottom bracket for greater stability, and a narrowed head tube angle for improved control, the 2010 Virtue series has been continually refined since its inception three years ago. The result is a more torsionally stiff frame with geometry to inspire your confidence on any trail. Our Superlite Alloy front triangle features forged and integrated gussets at the most highly stressed frame junctions to maximize strength while keeping weight to a minimum thanks to our detail-oriented design that doesn't overlook a single detail. We include an internally machined BB shell and head tube to maximize stiffness while keeping weight in check.

Depending on model, rear triangles are made of either proprietary carbon fibre or heat-treated aluminium. Cold-forged links are used to increase strength and decrease lateral flex making the Virtue's sure handling even more crisp and precise. Each and every pivot uses sealed cartridge bearings for smooth and precise travel. Pivot axles use a custom thru-shaft for improved durability and strength.

The Virtue uses custom-valved Fox Shocks, designed to let the bike remain active through all terrain. While many frame designs rely on platform damping to remove unwanted suspension movement, the addition of the Equilink™ allows the shock to do its job, and absorb trail imperfection, while removing the rider's influence on the suspension. On the Virtue One and Two the addition of adjustable pro pedal allows the rider to further tune the ride, depending on whether a wide-open flowing ride or a firmer ride is preferred. After all, shock tunability should be determined by a rider's style, not the factory's needs.

## VIRTUE 1

SPEC: Felt Equilink 7005 Double-Butted Aluminium Hydroformed Frame & Alloy Sub-Frame 130mm Travel, Fox Float RP23, Fox 32 RLC 120mm, Shimano XT Shifters, XT r/mech, XT Crankset, XT Brakes, XT Wheelset, Felt RXC Riser Handlebar. COLOUR: Three-Tone: White / Red / Black SIZE: S (15.5"), M (17.5"), L (19.5"), XL (21.5") WEIGHT: 25.5lb/11.6kg







## VIRTUE 2

SPEC: Felt Equilink 7005 Double-Butted Aluminium Hydroformed Frame & Alloy Sub-Frame 130mm Travel, RockShox Monarch 2.1, RockShox Tora SL Solo Air 120mm, SRAM X.7 Shifters, X.9 r/mech, Avid Elixir R Hydraulic Disc Brakes, Mavic XM-317 rims. COLOUR: Three-Tone: White / Blue / Black SIZE: S (15.5"), M (17.5"), L (19.5"), XL (21.5") WEIGHT: 27.3lb/12.4kg



## VIRTUE 3

SPEC: Felt Equilink 7005 Double-Butted Aluminium Hydroformed Frame & Alloy Sub-Frame 130mm Travel, RockShox Ario 2.1, RockShox Tora SL Solo Air 120mm, Shimano Deore Shifters, Deore r/mech, Shimano Hydraulic Disc Brakes, WTB SX 24 rims. COLOUR: Two-Tone: White / Black SIZE: S (15.5"), M (17.5"), L (19.5"), XL (21.5") WEIGHT: 29.9lb/13.6kg



# COMPULSION

SERIES



The Compulsion was designed to be a true all-rounder – whether racing at Downieville, or taking on a big mountain marathon march – this is the bike for the job. With patented Equilink™ suspension design and 6" (150mm) of fully-active travel, the Compulsion is the epitome of all-mountain performance. No longer is the climb the debt you pay for the thrill of the sweet decent.

The 2010 Compulsion series – with new hydroformed tubes - is now lighter, stronger and stiffer. We reduced the weight of every model by nearly 2 pounds. We increased the bike's stiffness and strength by utilizing all-new forgings, links and hardware. We also incorporated new wider mount which insures the bike track more positively over any terrain. Cartridge bearings keep suspension travel smooth and play free. We have changed the pivot axles to a new custom thru-shaft for improved durability and strength.

The Compulsion remains as capable climbing as it is agile on the drop. How did we do this? Easy. FELT's patented Equilink™ suspension system completely equalizes all negative influences from pedalling and braking. This means we don't have to use a "clever" shock with lots of platform or compression damping to imitate true efficiency. Thanks to Equilink™, the Compulsion offers such efficient and compliant pedaling you will feel like you are riding a 3" travel bike. That is, until you turn back down the hill and the bike absorbs that first big hit. And that is the Compulsion's secret: the pedaling efficiency of a true trail bike, combined with nearly 6" of travel.

## COMPULSION 1

SPEC: Felt Equilink 6061 Double-Butted Aluminium Frame 150mm Travel, RockShox Monarch 4.2, RockShox Revelation Team Maxle lite 150mm travel fork, X.0 r/mech, Stylo OCT 3.3 Crankset, Avid Elixir CR Disc Brakes, Fulcrum Red Metal 1 HH Wheelset. COLOUR: Blackforest/White SIZE: S (15.5"), M (17.5"), L (19.5"), XL (21.5")  
WEIGHT: 27.9lb/12.7kg







## COMPULSION 2

SPEC: Felt Equilink 6061 Double-Butted Aluminium Frame 150mm Travel, Fox Float RP2, Fox 32 FLOAT RL 150mm travel 15mm thru axle fork, Shimano SLX Shifters, SLX r/mech, SLX Disc Brakes, WTB SPEEDDISC AM rims. COLOUR: Bronze/White SIZE: S (15.5"), M (17.5"), L (19.5"), XL (21.5") WEIGHT: 30.4lb/13.8kg



## COMPULSION 3

SPEC: Felt Equilink 6061 Double-Butted Aluminium Frame 150mm Travel, RockShox Ario 2.1, Marzocchi XC 44 RLO 140mm w/Lockout fork, Shimano Deore 27spd Shifters, Deore r/mech, Shimano Hydraulic Disc Brakes, WTB SPEEDDISC AM rims. COLOUR: Charcoal/Frost SIZE: S (15.5"), M (17.5"), L (19.5"), XL (21.5") WEIGHT: 32.8lb/14.9kg



# REDEMPTION

SERIES

Why depend on a lift if you can also do without? The FELT Bike with the longest spring travel combines an unbelievable 165 mm of travel with the efficiency of a trail bike.

A bike that truly utilizes its travel requires an incredibly strong frame to deal with the hardest impacts and landings. We are using solid, oval tubes to prevent any twist and flex in the frame that might damage the material. The tubes are reinforced at the ends, and we remove all unnecessary material from the stem and the internal bottom bracket shells to reduce weight. The stem diameter is huge and makes the frame stiff while protecting the headset. Forged gussets in the right places reinforce the frame while hardly adding any weight. Solid bearing seats, levers and dropouts made of forged aluminium ensure stability and stiffness in these places as well.

Due to the extraordinary features of the Equilink™ system, we created a special strut alignment that makes do almost without any compression damp-

ing at all. The best travel does no good if the suspension reacts so slowly that it will only work for the hardest of impacts. The Equilink™ system uses a special technique to make it soft and sensitive because suspension and drive are completely independent from each other.

Another advantage of this long travel and low compression damping is that the compression rate can be influenced over a much larger range than in the case of traditional systems.

A freerider should also be able to drive up a mountain properly to race down on the other side. That is exactly what the Redemption offers. Really, the Redemption even climbs better than some trail bikes on the market. The patented Equilink™ platform offers both efficiency and 165 mm travel. This combination of stability, effectiveness and low weight make for breath-taking speed.

## REDEMPTION 1

SPEC: Felt Equilink 6061 Double-Butted Aluminium Frame 165mm Travel, RockShox Monarch 4.2 r/shock, Lyrik Solo AIR 170mm Travel, SRAM X.0 r/mech, Truvativ Hammerschmidt Crankset, Avid ELIXIR CR Hydraulic Disc Brakes, Fulcrum Red Zone wheelset. COLOUR: Copper/White SIZE: S (15.5"), M (17.5"), L (19.5") WEIGHT: 33.4lb/15.2kg





## REDEMPTION SERIES



## REDEMPTION 2

SPEC: Felt Equilink 6061 Double-Butted Aluminium Frame 165mm Travel, Fox Float RP2, Domain 302 Coil fork, SRAM X.7 27spd Shifters, X.9 r/mech, Truvativ STYLO 2.2 AM Dual Ring w/Bashguard, Avid ELIXIR R Hydraulic Disc Brakes. COLOUR: Super Black/Red SIZE: S (15.5"), M (17.5"), L (19.5") WEIGHT: 32.6lb/14.8kg



## REDEMPTION 3

SPEC: Felt Equilink 6061 Double-Butted Aluminium Frame 165mm Travel, RockShox Ario 2.1, Lyrik 2 Step AIR 115mm - 160mm fork, Shimano Deore 27spd Shifters, SLX r/mech, Truvativ Ruktion 2.0 RG Crankset, Shimano Hydraulic Disc Brakes. COLOUR: Dark Grey/Light Grey SIZE: S (15.5"), M (17.5"), L (19.5") WEIGHT: 35.9lb/16.3kg



# TRAIL SHOT

SERIES

After the Felt MTB design team made a trip last year from sunny California over to the UK to see what real riding was all about, they took on board just how UK riding has evolved and just what riding conditions are like. They left with a plan... to build a bike to handle all the UK can throw at it, and give riders the bike they need to stay ahead.

Having secretly been testing prototypes in the UK for the last few months, we think they've done a rather good job! We can now let you guys in on the brand new UK-centric bike from Felt – the Trail Shot.

From your local single track blast, to trail centre red runs, the Trail Shot gives you all the confidence you need for innovative lines, bold moves and sustained flow.

Whether you're aiming to clean a section first time, or do your share of the next 12 hour race, the purpose-built Hydroformed 6061 aluminium frame, RockShox 2010 Recon Solo Air fork and SRAM drive train give you the performance and confidence to up your game.

Our Pro riders Cameron Zink, Joscha Forstreuter and Darren Pokoj were able to provide valuable input for the design. Their expectations in respect of handling and stiffness in combination with our engineering know how resulted in a bike that can do anything and take almost anything.

## TRAIL SHOT

SPEC: Felt 6061 Aluminium Hydroform frame, RockShox Recon 355 Solo Air 130mm, SRAM X-7 Shifter, X-9 r/mech, Truvativ STYLO 2.2 AM Dual Ring w/Bashguard, Avid Juicy 3 Brakes, Shimano r/Hub, Mavic XC-317 rims, Felt AM Stem/Bar, Devox XAM Saddle. COLOUR: Matte Charcoal SIZE: S (15.5"), M (17.5"), L (19.5") WEIGHT: 27.05lb/12.4kg











Our reputation for offering bicycles of superior quality is perhaps surpassed only by our reputation for producing bikes of unmatched value. The Q series of bikes combine real-world durability and performance with unmatched afford ability. The Q series line is designed to be a true mountain bike line, not a look-a-like. Designed to hit the trails, or maybe even your first race, the bikes are built to satisfy your quest for off-road adventure.

Using tried-and-true geometry, we are able to give the Q series bikes superb handling no matter the terrain. Whether riding challenging singletrack or the local trail, the comfortable riding position and neutral geometry makes these bikes feel at home wherever they are.

All Q series frames use our premium 6061 aluminium tubing with specially manipulated shapes designed to maximum torsional stiffness and vertical

compliance. We include versatile frame features such as bottle cage, rack and mudguard mount braze-ons, plus sturdy 3D cold-forged dropouts.

Most Q bikes come equipped with disc brakes for powerful braking in all conditions, Shimano drivetrains for flawless shifting and suspension forks that perform like those on bike costing considerably more.

Adventure is how you define it. Whether you ride through challenging urban terrain, rugged mountain trails or dirt roads far from town, the Q is your ticket to explore the path beneath you.

## Q920

SPEC: Felt 6061 Hydroformed Butted Aluminium frame, RockShox Recon SL Solo Air 100/80mm Turnkey Lockout, Shimano Deore 27spd Shifters, XT r/mech, Deore Crankset, Avid Juicy 3 Disc Brakes, Shimano Hubs, Mavic XM-317 Disc rims. COLOUR: Super White SIZE: 15.5, 17.5, 19.5, 21.5" WEIGHT: 26.2lb/11.9kg







## Q820

SPEC: Felt 6061 Hydroformed Double Butted Aluminium frame, RockShox Tora SL Solo Air 100/80mm Turnkey Lockout, SRAM X-7 Trigger 27spd Shifters, X-9 r/mech, Avid Juicy 3 Hydraulic Disc Brakes, Mavic XC-117 Disc rims, Shimano M475 Hubs. COLOUR: Semi Matte Super Black SIZE: 15.5, 17.5, 19.5, 21.5" WEIGHT: 27.5lb/12.5kg



## Q720

SPEC: Felt 6061 Hydroformed Double Butted Aluminium frame, RockShox Dart 2 100mm Turnkey lockout, Shimano Deore 27spd shifters, SLX r/mech, Deore f/mech, Shimano crankset, Shimano Hydraulic BL-M486 Disc Brakes, Shimano Hubs, WTB Disc rims. COLOUR: Semi Matte Orange Pearl SIZE: 15.5, 17.5, 19.5, 21.5" WEIGHT: 29.9lb/13.6kg





## Q620

SPEC: Felt 6061 Hydroformed Butted Aluminium frame, Suntour XCT-HLO 100mm w/Hydraulic lockout, Shimano Alivio 24spd shifters, Deore r/mech, Alivio f/mech, Shimano Crankset, Tektro Auriga Hydraulic Disc Brakes, WTB Disc rims, Shimano rear Hub/Felt front. COLOUR: Super White SIZE: 15.5, 17.5, 19.5, 21.5" WEIGHT: 31.5lb/14.3kg



## Q520

SPEC: Felt 6061 Hydroformed Butted Aluminium frame, Suntour XCT-MLO 100mm w/lockout, Shimano Altus 24spd shifters, Alivio r/mech, Shimano Crankset, Tektro IO mechanical Disc Brakes, WTB Disc rims, Shimano rear Hub/Felt front. COLOUR: Cola SIZE: 15.5, 17.5, 19.5, 21.5" WEIGHT: 31.7lb/14.4kg



## Q220

SPEC: Felt 6061 Hydroformed Butted Aluminium frame, Suntour XCT-V2 100mm travel, Shimano Altus 21spd shifters, Acera r/mech, Tektro IO mechanical Disc Brakes, WTB Disc rims, Alloy freewheel r/Hub. Felt stem, Felt riser bar, Felt Alloy s/post, Felt Comfort saddle. COLOUR: Baron Red SIZE: 15.5, 17.5, 19.5, 21.5" WEIGHT: 32.3lb/14.7kg







### Q9 FW

SPEC: Felt Womens specific 6061 Hydroformed Double Butted Aluminium frame, RockShox Recon SL Solo Air TurnKey lockout, Shimano Deore 27spd Shifters, Shimano XT r/mech, Shimano Crankset, Avid Juicy 3 Hydraulic Disc Brakes, Mavic XM-317 rims. COLOUR: Galaxy Black SIZE: 14.5, 16.5, 18.5" WEIGHT: 26.0lb/11.8kg



### Q7 FW

SPEC: Felt Womens specific 6061 Hydroformed Double Butted Aluminium frame, SR-Suntour Raidon LOD 100mm w/Lockout, Shimano Deore 27spd Shifters, SLX r/mech, Shimano Crankset, Shimano Hydraulic BL-M486 Disc Brakes, WTB SX 24 rims. COLOUR: Frost White SIZE: 14.5, 16.5, 18.5" WEIGHT: 29.7lb/13.5kg



### Q5 FW

SPEC: Felt Womens specific 6061 Butted Aluminium frame, SR Suntour XCT-MLO w/Lockout 100mm (13.5" 80mm), Shimano Altus 24spd Shifters, Alivio r/mech, Shimano Crankset, Avid Single Digit 3 V-Brakes, WTB DX-23 rims, Shimano rear Hub/Felt front. COLOUR: Candy Apple Red SIZE: 14.5, 16.5, 18.5" WEIGHT: 28.8lb/13.1kg



# Q KIDS

SERIES



The latest additions to our Q series cover a wide range of new cyclists. Available in two wheel sizes, the 20" is designed to fit riders as young as 6 years, while the 24" takes care of youngsters into their early teens.

Since weight is everything for entry-level riders, all models feature lightweight and rust-free 6061 heat-treated aluminium frames. All frames have sloping top tubes to achieve low stand-over height, as well as replaceable derailleur hangers for ease of service. Every bike in the line features lightweight aluminium handlebar stems, seatposts, rims, and hubs, further contributing to lightweight efficiency.

When it comes to performance and durability, only the best components will do. Smooth and predictable Shimano drivetrains were an obvious choice, while Revo Twist-type shifters are used on the kids sizes for easy and intuitive shifting. Felt-designed saddles and extra-soft grips add comfort while the stainless steel spokes ensure the elements do not take their toll.

Built to fit, built to perform, and built to last, the newest members of our Q family should fit right into yours.



## Q24

SPEC: Felt 24" Wheel MTB Design 6061 Aluminium Frame, HL Suspension 50 mm travel, Shimano Revo 21spd Shifters, Altus r/mech, Tektro V-Type Brakes w/Junior Levers, Aluminium Rims & Hubs. COLOUR: Super White or Super Black SIZE: One Size, 24" Wheel



## Q20

SPEC: Felt 20" Wheel MTB Design 6061 Aluminium Frame, HL Suspension 40 mm travel, Shimano Revo 7spd Shifter, Tourney r/mech, Tektro Brake levers, Tektro V-Type Brakes w/Short Reach Junior Levers, Aluminium Rims & Hubs. COLOUR: Super White or Super Black SIZE: One Size, 20" Wheel









# QX

SERIES



What do you get when you get the go-anywhere versatility of our popular Q-series of mountain bikes and the on-road efficiency of a 700C road bike? The QX. The QX is for the rider who wants one bike that does it all.

The frame uses our lightweight and reliable 6061 heat-treated aluminium. Tubes are butted, shaped and hydroformed to give each frame ideal ride characteristics. Hydroforming tubes allows us to increase strength and stiffness while reducing weight, all in a single, efficient process, resulting in a better riding bike at a lower cost than could be achieved previously.

Compared to a mountain bike, the QX increases rider comfort by situating the rider in a more upright position. This higher position gives the rider greater

visibility of his surroundings while relieving neck strain caused by a too-low handlebar for greater comfort throughout the day.

The QX bikes handle with the agility and responsiveness you would expect from any Felt road bike. The geometry is designed to give riders confidence while maintaining an enjoyable sense of speed.

Special custom-forged dropouts accept most popular kickstands, while seat-stay braze-ons work with integrated bicycle locks. Additional braze-ons allow mudguards, water bottle cages and more can be mounted because we knew these bikes would receive a wide-range of use.

## QX95

SPEC: Felt Hybrid Design 6061 Double Butted Aluminium, Semi sloping Hydroform TT, Felt Carbon Fork, Shimano LX 27spd Shifters, LX r/mech, Shimano LX Crankset, Shimano V-Brakes, WTB Dual Duty XC Rims, Shimano Deore LX Hubs. COLOUR: Deep Metallic Silver SIZE: 48, 52, 55, 58cm WEIGHT: 24.02lb/10.92kg





## QX SERIES



## QX90

SPEC: Felt Hybrid Design 6061 Double Butted Aluminium, Semi sloping Hydroform TT, SR/Suntour SF-NVX D LO 65mm fork, Shimano Deore 24spd Shifters, LX r/mech, Shimano Crankset, Shimano Hydraulic Disc Brakes, Shimano M495 Hubs. COLOUR: Matte Charcoal SIZE: 48, 52, 55, 58cm WEIGHT: 29.5lb/13.4kg



## QX85

SPEC: Felt Hybrid Design 6061 Butted Aluminium, Semi sloping Hydroform TT, Felt Alloy Fork, Shimano Deore 24spd Shifters, Deore r/mech, Shimano Crankset, Shimano Hydraulic Disc Brakes, WTB Dual Duty XC Rims, Shimano M495 Hubs. COLOUR: Semi Matte Black SIZE: 48, 52, 55, 58cm WEIGHT: 27.1lb/12.3kg



## QX80

SPEC: Felt Hybrid Design 6061 Butted Aluminium, Semi sloping Hydroform TT, SR Suntour SF10-CR-8V MLO w/ lockout 50mm travel, Shimano Deore 24spd Shifters, Deore r/mech, Shimano Crankset, Shimano V-Brake, WTB DX23 Rims. COLOUR: Cola SIZE: 48, 52, 55, 58cm WEIGHT: 29.3lb/13.3kg



## QX SERIES



### QX75

SPEC: Felt Hybrid Design 6061 Butted Aluminium, Semi sloping Hydroform TT, Felt Alloy Fork, Shimano 24spd Rapid Fire Shifters, Deore r/mech, Shimano Crankset, Tektro IO mechanical Disc Brakes, Shimano M475 Hubs, Alloy rims. COLOUR: Matte Charcoal SIZE: 44, 48, 52, 55, 58cm Womens: 44, 49cm WEIGHT: 28.2lb/12.8kg



### QX70

SPEC: Felt Hybrid Design 6061 Butted Aluminium, Semi sloping Hydroform TT, SR Suntour CR-8V 50mm travel Fork, Shimano Acera 24spd Shifters, Alivio r/mech, Truvativ Iso-Flow Crankset, Avid Speed Dial 3 V-Brake, Alloy Wheelset. COLOUR: Semi Matte Black SIZE: 44, 48, 52, 55, 58cm Womens: 44, 49cm WEIGHT: 29.9lb/13.6kg



### QX65

SPEC: Felt Hybrid Design 6061 Butted Aluminum frame, Semi sloping Hydroform TT, Felt HiTen Fork, Shimano 21spd EZ-Fire Shifters, Acera r/mech, SR-Suntour XCT-T208 Crankset, Tektro V-Brake, Alloy Double wall Rims, Alloy Freewheel Hub. COLOUR: Super White SIZE: 44, 48, 52, 55, 58cm Womens: 44, 49cm WEIGHT: 28.4lb/12.9kg









“TO DESIGN, DEVELOP,  
AND DELIVER THE BEST  
BICYCLES IN THE WORLD.  
PERIOD.”



FELT BICYCLES - IRVINE, SOUTHERN CALIFORNIA