



2017

TECH & FACTS REPORT

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SCOTT SPARK

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1749 GRAMS

**BUILT WITH
PERFECTION**

BRED TO WIN



COUNTLESS WORLD CUP WINS, ONE CHAMPION RIDE **SCOTT SPARK RC**

—

The SCOTT Spark is not only one of the most successful full suspension bikes On the World Cup circuit, it's also our most popular bike for non-racers. The light and stiff - race proven frame design has always appealed to a broad spectrum of riders, from elite Cross-Country and marathon racers to casual enthusiast trail riders. Thanks to numerous tech features like TwinLoc, FOX Nude rear shock technology, the geometry adjustment chip and its race-inspired geometry, the Spark's versatility has been in a class of its own for many years.

Our approach with the new Spark was fairly simple – the frame built to suit the best of the best also had to suit everybody. World Champion Nino Schurter enjoys a finely tuned set-up, but the frame itself is no different from the one everybody can buy in a SCOTT bike shop. That has

always been the case, and it applies more than ever before to the new generation of Spark frames. Every single one of the 33 Spark models available benefits from the R&D effort invested in the highest end bikes.

The technologies utilized in the new Spark platform will push the bike's boundaries again and make this latest iteration the greatest yet. Its clear lines and forms give it a clean and tidy look. Its elegant profile expresses our approach to modern design. Yet despite the Spark's visual simplicity, the bike is loaded with technical features and details. The frame includes a host of minute, exquisitely detailed technical solutions which in total make it one of the best overall cross-country full suspension packages.



ENGINEERING & PRODUCT DEVELOPMENT BACKGROUND



JOE HIGGINS

CHIEF OF MTB ENGINEERING

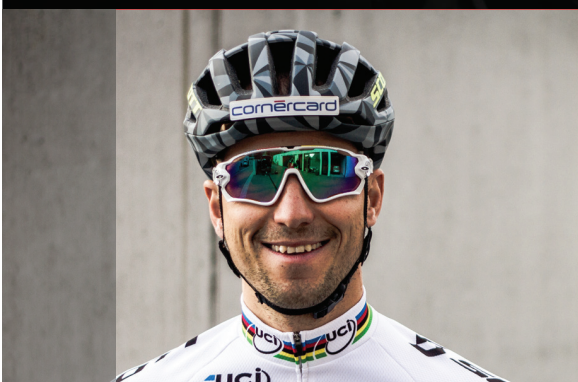
“Engineers don’t like design compromises. Splitting the Spark family into three models allowed us to create bikes with a shared DNA and distinct purpose. The Spark RC is a 100% race dedicated full suspension bike - by designing a 1x specific platform and using HMX-SL fibres for the first time on MTB we’ve set a new benchmark in terms of weight. The final bike is the result of hundreds of careful design decisions which combine to create the perfect racing tool for our racers to keep on winning.”



RENE KRATTINGER

MTB PRODUCT MANAGER

“The XC and Trail segments are our most important mountain bike categories to date. With an increase in diversification of rider demands, we’ve increased our range in this class of 100 to 130mm travel bikes. From dedicated 1x race weapons to “do-it-all” marathon-trail bikes, we offer nothing less than the greatest amount of choice in our history including all three wheel-sizes, 27.5”, 27.5” Plus and 29” included.”



NINO SCHURTER

4X WORLD CHAMPION & WORLD CUP CHAMPION

“The new Spark is packed with race dedicated tech features, I couldn’t ask for a more race-optimized package. The new bike is not only unbelievably light and stiff, but it also pedals like a hardtail, I feel like the pedal efficiency is even better than on the old Spark. It really feels much more compact and easier to handle. What really suits my riding style is the much better kinematic of the new frame, which results in much better suspension. The bike is more sensitive at the beginning of travel but becomes more supportive from sag point onwards, with end stroke progression tuned for cross country riding.”



SPARK RC 700 SL | 9.8 KG

100MM



SPARK RC 900 ULTIMATE | 10.9 KG

100MM



CONTESSA SPARK RC 700 | 10,0 KG

100MM



SPARK 900 PREMIUM | 11.6 KG

120MM



SPARK 700 PLUS TUNED | 11.6 KG

130 / 120MM

(All weights size M, incl. tubes)



SPARK WHEELSIZE OPTIONS

SCOTT SPARK RC 700 / SPARK 700

THE SPARK 700 SERIES OF BIKES USES THE 27.5" WHEEL STANDARD AND IS SUITABLE FOR EVERYDAY RIDERS AS WELL AS FOR ENDURANCE RACERS. THE SPARK RC 700 MODELS ARE NO-COMPROMISE, RACE-DEDICATED 1X WEAPONS WITH 100 MM OF TRAVEL WHILE THE REST OF THE 700 / 27.5" LINE COMES WITH 120 MM OF TRAVEL.



SCOTT SPARK RC 900 / SPARK 900

SPARK 29ERS ARE SUITABLE FOR EVERYDAY RIDERS AS WELL AS FOR ENDURANCE RACERS. THE SPARK RC 900 MODELS ARE NO-COMPROMISE, RACE-DEDICATED 1X WEAPONS WITH 100 MM OF TRAVEL WHILE THE REST OF THE 900 / 29" LINE COMES WITH 120 MM OF TRAVEL.



SCOTT SPARK 700 PLUS

THE SPARK PLUS SERIES OF BIKES ARE THE DESCENDANTS OF RACING HERITAGE WITH A TRAIL FOCUS BLENDED IN. LIGHT WEIGHT, AMPLE AMOUNTS OF SUSPENSION AND SOME ROWDY 2.8" TIRES MAKE THESE BIKES MODERN DAY TRAIL ROCKETS.





SPARK RC



FRONT TRAVEL
100mm



REAR TRAVEL
100mm

SPARK

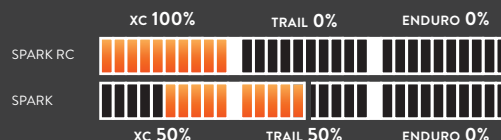


FRONT TRAVEL
120mm



REAR TRAVEL
120mm

- THE BEST MIX OF INCREASED ROLLOVER ACCELERATION AND PERFECT GEOMETRY
- THREE BIKES IN ONE AT THE TOUCH OF A FINGER THANKS TO TWINLOC
- ONE OF THE LIGHTEST IN ITS CLASS



SPARK RC



FRONT TRAVEL
100mm



REAR TRAVEL
100mm

SPARK

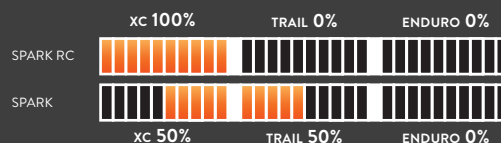


FRONT TRAVEL
120mm



REAR TRAVEL
120mm

- THE BEST MIX OF INCREASED ROLLOVER ACCELERATION AND PERFECT GEOMETRY
- THREE BIKES IN ONE AT THE TOUCH OF A FINGER THANKS TO TWINLOC
- ONE OF THE LIGHTEST IN ITS CLASS



FRONT TRAVEL
130mm



REAR TRAVEL
120mm

- LIGHTWEIGHT, VERSATILE, FUN
- SUPERIOR TRACTION, BOTH GOING UP, AND GOING DOWN
- THREE BIKES IN ONE AT THE TOUCH OF A FINGER THANKS TO TWINLOC



RACING CONCEPT

THE NEW EXTENDED RC FAMILY



SPARK RC SL



SPARK RC ULTIMATE

There are few brands in cycling with a long and successful history of mountain bike racing like SCOTT. We have been at the forefront of off-road bike racing for over 20 years. And with these decades of top-level bike competitions behind us, our Racing Concept, or RC, is at the core of our brand's heritage. Respectful of our origins, we are proud of every historical milestone while keeping our creative vision focused forward to the future. We are constantly willing to go further, do better and to push boundaries. Every step leads us to the next one and builds a solid base from which SCOTT's design teams can develop and create tomorrow's inspiring products.

SCOTT RC products have equipped the winners of World Cup Overalls, World Championships and Olympic medals. For decades we have supplied racers around the world with the bikes, apparel, helmets and footwear that they needed to shave seconds off of the clock and enable their triumphant steps up onto the podium.

With the new generation of Scale and Spark RC frame platforms, we felt the time had come to grow the family of RC bikes. The 2017 RC collection of dedicated race bikes comprises the lightest SCOTT mountain bikes ever built. With a weight of 849g, the Scale RC 700 SL frame sets a new benchmark for hardtail mountain bike frames. The new Spark RC 700 SL weighs in at only 1750g (frame set incl. shock). All the RC models are optimized for 1x drivetrain systems. Thanks to the Boost standard, all our 1x-optimized RC frames are even stiffer than ever before. The new RC family consists of 16 high-end, race-dedicated models. This selection features the lightest carbon composites utilized by SCOTT, and it leaves nothing to be desired.

The RC family includes all options - hardtail or full-suspension, and 27.5" or 29" wheel size geometries. All RC models come with 100mm of travel.



2007



2010



2012

RC



SPARK RC WORLD CUP



SPARK RC PRO



NINO SCHURTER

4X WORLD CHAMPION, SCOTT-ODLO MTB RACING TEAM:

"The SCOTT RC line has accompanied me since I first joined SCOTT. Over the years, SCOTT engineers have continuously developed better and better bikes, tuning them so that every single detail meets our race inspired demands. As a result, today we see one of the lightest, stiffest and most successful race bikes in the world.

With regards to design, the SCOTT RC line delivers an outstanding concept, setting us apart from the rest. No matter if we're talking about hardtails, full suspension bikes or accessories, SCOTT RC for me represents exactly what racers need- it truly is an integrated, uncompromising and modern package built to win.

No matter which model of the new RC family bikes a racer would choose, its race-focused design and no-compromise attitude makes this choice really a dream come true."



2014



2016



2017

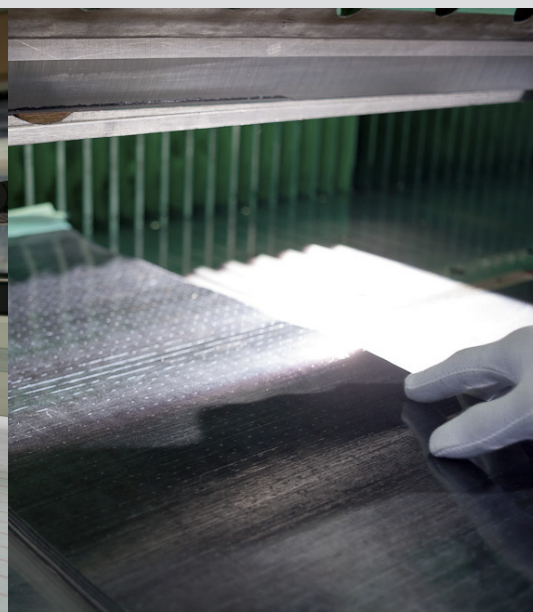
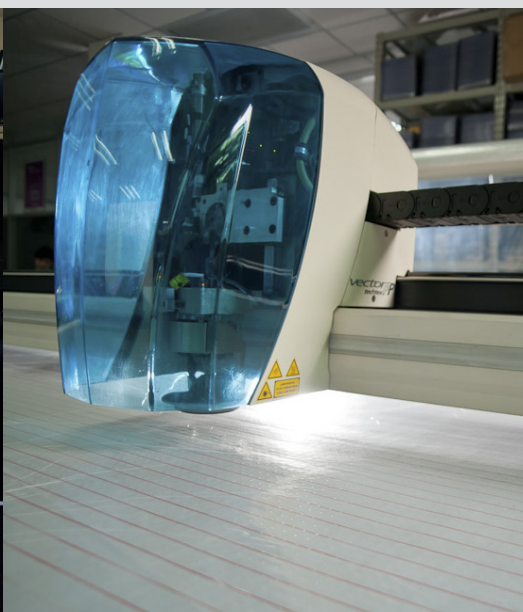
FRAME TECHNOLOGY

Over the years, the R&D experts at SCOTT have learned a lot when it comes to carbon engineering. For the 2017 generation, we've used our expertise to not only create super highend carbon frames, but rather to apply our knowledge of ultra-lightweight carbon construction also for all existing levels of carbon frames that we offer.

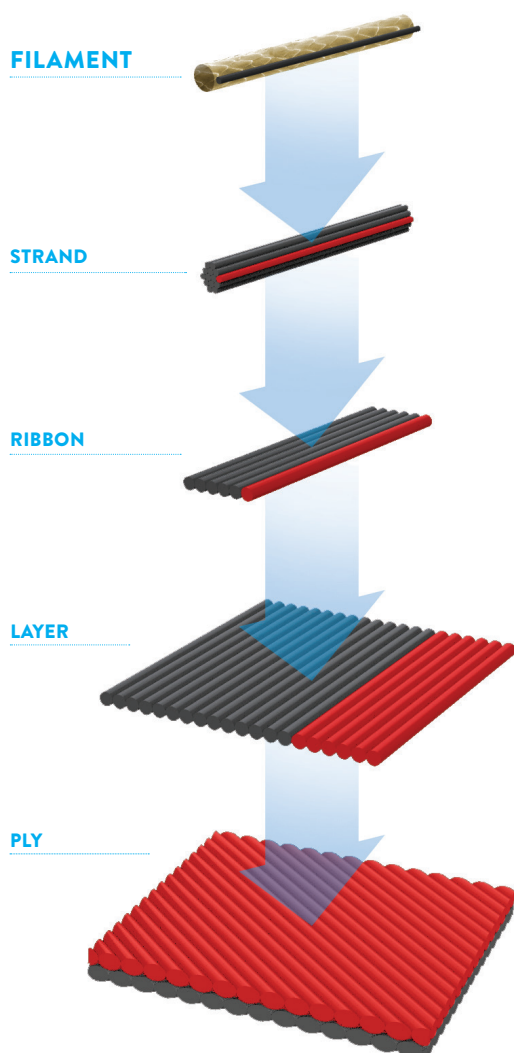
In terms of carbon evolution, our carbon experts started over from zero for the Spark project. We not only use new carbon fibres. We now also have more complex and intelligent shapes for the layers. Plus we broke our frame build-up into more pieces which results in a higher complexity of the frame (see "EvoLap-Technology", page 15).

Three material levels can be found in SCOTT's carbon bike range - HMX-SL, HMX and HMF. With the new lay-up process, all carbon bikes become lighter, and stiffer.

Our years' long expertise of carbon engineering is one piece of the puzzle of how to reach a super light frame. The utilization of a mix of new high-end carbon fibers is an other. Our new HMX-SL Spark frame utilizes MR70, YS60 and HR40 carbon fibers. HR40 is a strong and light filament that, used together with MR70, attains unbelievable tensile strength values. To achieve our standards for stiffness, we include YS60 layers on our frames. Our choice of the most advanced carbon fibers in the market is followed by intensive use of specific tools, like FEA (Finite Element Analysis) software, to map out the carbon lay-up. With our proprietary EvoLap-Technology, we can simulate different forces on a virtual model of the frame and adjust the frame construction accordingly, managing to build frames which are on the highest technical level.



CARBON TECHNOLOGY- AN INSIGHT INTO SCOTT'S CARBON KNOW-HOW



CARBON FIBERS, EXPLAINED

Carbon composite materials are widely used in the construction of high performance bicycles. Due to their exceptional structural properties, carbon composites are the material of choice for the world's lightest and strongest bike frames. Since becoming popular in the bike industry over fifteen years ago, evolution of this material has continued and made great strides. Today, after years of ongoing development, we can build strong and reliable frames with superior stiffness and breathtakingly light weight. Carbon composite (commonly referred to as "carbon fiber") is actually made from two or more constituent materials, each with significantly different physical and chemical properties. When combined, these materials produce a composite with characteristics greater than the sum of its parts.

In the case of carbon composites, the constituent materials are raw carbon fiber and resin. Think of raw carbon fiber (remember, "carbon fiber" is typically and inaccurately used as a reference to a fully completed composite) as the elongated crystalline structure of graphite atoms. When multiple fibers are bundled together they form a strand. To actually create the composite, multiple ribbons are laid together and impregnated with a type of epoxy glue called resin.

When carbon filaments are arranged side by side in a sheet with each strand oriented in the same direction, the resulting material is called "unidirectional" carbon fiber. A finished carbon composite is usually made of multiple individual layers or plies of this unidirectional carbon fiber. The specific type of fibers in the unidirectional material and the orientation of the strands inside the layers determines the characteristics of the end product. Careful engineering and manipulation of these parameters is crucial to reach the standards of light weight, stiffness, comfort and reliability.

LAY-UP TYPES USED BY SCOTT

HMX-SL

HMX-SL uses the highest performance fibres currently available. MR70 is a new introduction to our layup collection. The raw fibre undergoes an extended refinement process to reach extremely high levels of strength with good stiffness. To further boost frame stiffness, tapes of the exceptionally stiff YS60 fibre are applied strategically. Fibres impregnated with a nano resin are employed in some areas of the frame. This specialist resin boosts matrix strength perpendicular to and off axis off the fibre direction to toughen the structure.

HMX

SCOTT has improved upon the now conventional high modulus carbon fiber, HMF, used throughout the bicycle industry. HMX is a fiber blend used by SCOTT, and is 20 percent stiffer than its HMF counterpart for the same weight. This unique material allows SCOTT engineers to create incredibly light bikes with excellent riding characteristics. The cost of HMX, however, is three times that of HMF, and is therefore reserved for our high end frames.

HMF

HMF carbon fiber is used to maximize strength and to keep weight low. This material has an optimal blend of stiffness and strength that offers the best riding session. SCOTT's engineering know-how is utilized in order to create the perfect lay-up with regards to orientation and fiber size. HMF fiber offers superior strength compared to the industry standard.

	FILAMENT	PLY	TUBE
HMX-SL	5 Um	0.15 mm	0.8 mm
HMX	5 Um	0.17 mm	1 mm
HMF	7 Um	0.2 mm	1.2 mm

NEW CARBON COMPOSITES

At SCOTT, we are proud of our rich carbon engineering history. With the goal of creating lighter frames, we always explore the newest composite technologies for applications in bicycle frames. Building the new Spark was a “no compromise” project, so our engineers started by reconsidering the frame from the smallest constituent part: the carbon fiber.

Carbon fibers are classified by their mechanical properties. In the simplest terms, fibers are differentiated by weight, tensile strength and stiffness. Mass (weight) is of course the most tangible characteristic of a light frame, but a frame must also be reliable, stiff, and strong.

The tensile strength of the carbon is its ability to withstand an applied load without failure or plastic (permanent) deformation. In simple terms, tensile strength indicates how much force is possible to apply to the carbon before it breaks.

On the other hand, the stiffness or elastic modulus is a measure of a material’s resistance to bending or being deformed elastically (i.e., non-permanently) when a force is applied to it. Essentially, how much a carbon layer will deform, bend or stretch when a load is placed on it or hung from it.

Blending these material characteristics into a finished frame by way of mixing different carbon fiber raw materials requires a scientific approach plus years of engineering experience.

Our HMX-SL frame utilizes MR70, YS60 and HR40 carbon fibers. MR70 is an incredibly strong and light filament that, used together with HR40, attains unbelievable tensile strength values.

On the other hand, to achieve our standards for stiffness, we include YS60 layers on our frames.



YS60 grade is intensively used in the aerospace industry due to high stiffness properties. We call this specific application of carbon the ‘stiffness layer’ to call out the stiffness enhancements that specific areas, like the down tube or chain stay, can get from this material.

The HR40 in particular is the high modulus carbon fiber that allows our frames to reach such a high stiffness-to-weight ratios. The elastic modulus for this composite is much higher compared to the standard modulus carbon. As result this composite is approximately 1.5 times stiffer than standard modulus carbon fiber.

The MR70 used in our HMX-SL frame is one of the most advanced high performance carbon fiber with many applications in the car and aeronautics industry. This composite has incredibly high values of strength. Thanks to this feature, it is possible to create thin-walled carbon structures while maintaining high levels of rigidity and strength.

The creation of such a high performance carbon composite depends on accurate control of the carbon fiber microstructure, from the raw material to and through the entire manufacturing process.

Construction of HMX-SL frames requires a special resin with small carbon particles suspended in the epoxy. This nano technology creates a supporting matrix within the resin.

The nano particles contribute to improved overall strength perpendicular and off-axis to the fiber direction. Furthermore, cohesion between the fibers is improved compared to our industry leading HMX carbon blend, offering unprecedented resistance.

Thanks to these materials and technologies, we accomplished a weight savings in the 2017 HMX-SL frame (Spark RC 900) of almost 10% or 217 grams compared to the 2016 HMX frame (Spark 900).

NEW LAY-UP DESIGN WITH FEA SOFTWARE: *Evo-lap* TECHNOLOGY

With the proper selection of materials, eighty percent of the work to create a frame is done. But the remaining twenty percent requires most of our efforts. For this reason, our choice of the most advanced carbon fibers in the market is followed by intensive use of specific tools, like FEA (finite element analysis) software, to map out the carbon lay-up. With FEA software, we can simulate different forces on a virtual model of the frame and adjust the frame construction accordingly.

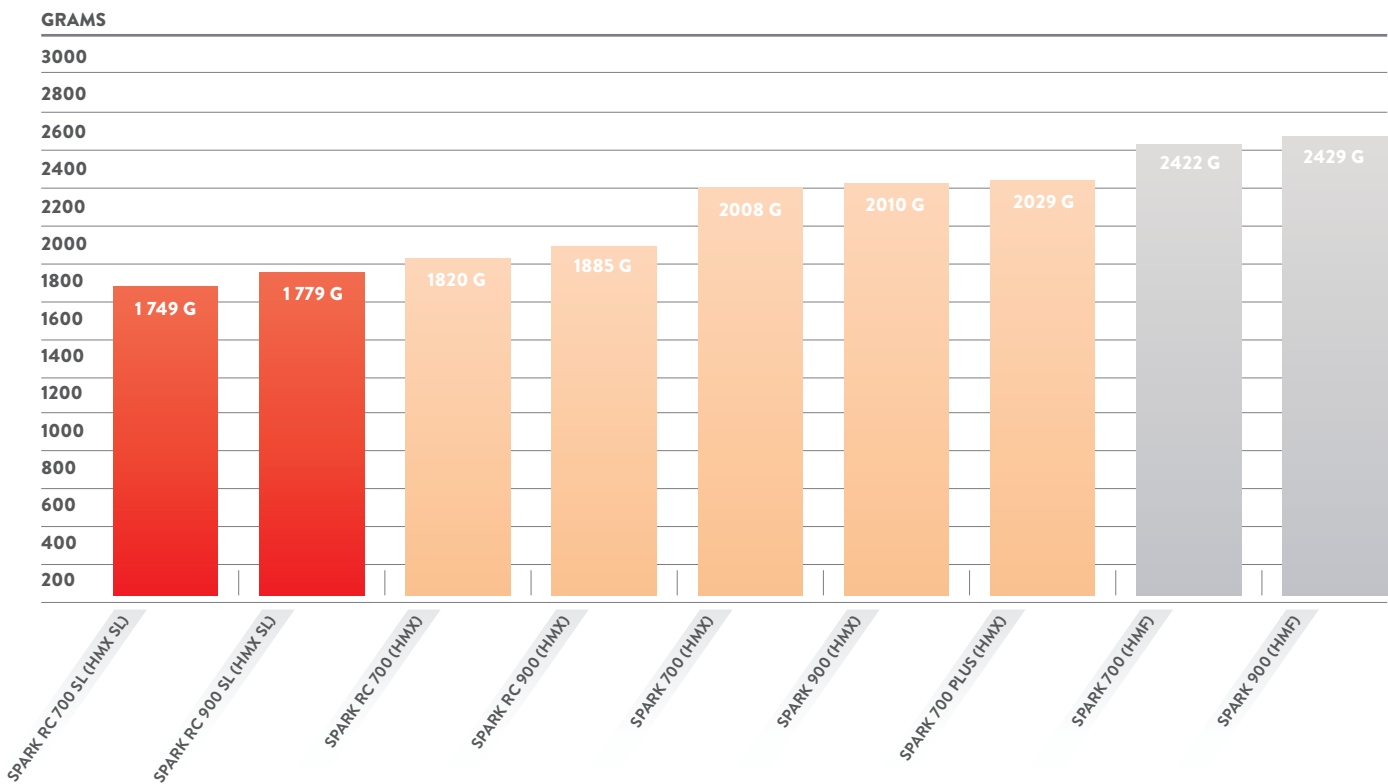
FEA software enables us to create complete virtual prototypes incorporating all the physical phenomena that exist in real-world environments.

With our Evo-Lap technology we model the frame to optimize the surface area, simulate tube structures with different ply orientations, observe the results of using different configurations, and test the stress distribution in different areas of the frame.

Thanks to this extensive computer modeling, we've optimized the carbon layers in all the parts of our frame. When the parts were bonded together in the first prototypes, the result was a super light and compact frame without a sacrifice in the stiffness, comfort or impact resistance. The entire range benefitted from our EvoLap technology, so the HMX and HMF frames save in terms of weight, respectively 217 grams and 166 grams.



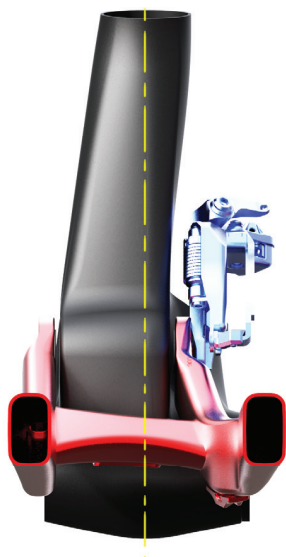
2017 SPARK FRAMES: WEIGHT COMPARISONS (INCLUDES REAR SHOCK AND HARDWARE)



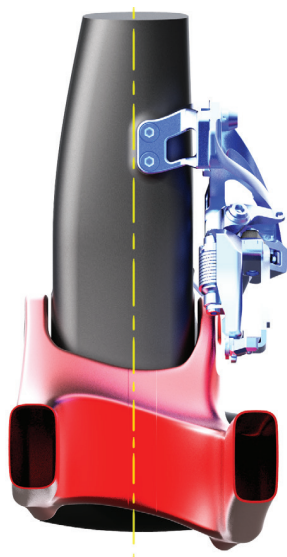
FRAME FEATURES

LIGHTWEIGHT TROUGH SIMPLICITY

1X/2X DRIVETRAIN OPTIMIZATIONS



Spark 2 E-Type
Front Derailleur Mount



Spark 3 High Direct
Front Derailleur Mount



Spark 3 1X
No Front Derailleur

When the components evolve, bike frames can be made to take full advantage from the characteristics of the new products. Following this idea and in response to different requests coming from the riders we've engineered two different frames: one that accommodates only a single chain ring and one for the more traditional double chain ring setup. The single chain ring setup is considered most appropriate for racers and riders that are looking for pure performance so this 1X specific design is used on the HMX-SL and HMX frames.

Appealing more broadly to enthusiasts and casual riders, the HMF frame series has been designed for 2X set-ups but can easily accommodate a single chain ring configuration while maintaining a clean look.

The main feature of the single chain ring design consists not only of the removal of the front derailleur mount on the frame and the related weight savings but especially of the opportunity to redesign the chain stay and seat tube with a symmetric shape.

Without the derailleur and small chain ring, there's more clearance between the crank set and the rear tire. Following the same logic behind Boost technology this allows us to increase even more the cross-section of the chain stay tubes that, together with the down tube, represent the core of the structures stiffness.

While the previous Spark utilized the E-Type FD mount, the Spark uses the new High direct mount FD for its 2X versions. Thanks to the High direct Mount FD and Boost, we are able to engineer a wider Main Pivot and bigger chain stays.

On the Spark RC frames the benefits are even greater thanks to 1X design. We can build the frame in this area even stiffer. There are no FD clearance constraints.

MODEL	1X	2X
SPARK RC 700/900 SL	✓	
SPARK RC 700/900 ULTIMATE	✓	
SPARK RC 700/900 WORLD CUP	✓	
SPARK RC 700/900 PRO	✓	
SPARK 700/900	✓	✓
SPARK 710/910	✓	✓
SPARK 720/920	✓	✓
SPARK 700 PLUS	✓	✓
CONTESSA SPARK 700	✓	✓

NEW REAR TRIANGLE

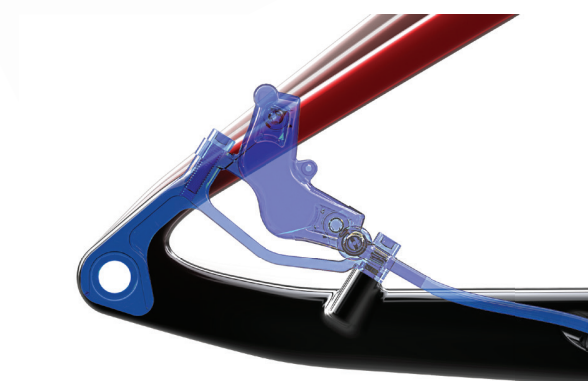
The rear triangle of the previous Spark consisted of 18 separate parts. The new rear triangle is constructed from a single left and right hand moulded carbon part, plus a separate brake mount. We use less metal, with fewer joints, and less hardware. Thanks to the new simplicity of the construction, we save 130g.



NEW BRAKE MOUNT

The key to designing such a simple rear triangle was maintaining a fully tubular construction, without a pivot in the dropout area.

To allow the seatstays to flex freely as the suspension compresses, we've introduced a specific brake mount anchored directly to the chain stay and the wheel axle. Thanks to this solution the carbon structure is cleaner and lighter and the flexion of the rear triangle on the brake side is not inhibited. The brake mount is available in two versions, one for 160mm rotors and one for 180mm.



ROCKER LINK

The Spark carbon linkage is constructed with a compression moulding process. It's 37g lighter than the aluminium equivalent and half the weight of the previous Spark linkage. Making the link in two pieces means all excess material can be removed from the inside of the linkage, without sacrificing stiffness.

SPARK RC CARBON LINK	77G
SPARK RC ALLOY LINK	114G
MY16 SPARK ALLOY LINK	145G



PIVOTLESS SWINGARM

The pivotless swingarm design enables the rear triangle to be moulded in two continuous tubular carbon parts saving considerable weight.



TRUNNION MOUNT- ADVANCED SHOCK MOUNT CONSTRUCTION



We have adopted the new Metric shock sizing standards with a Trunnion mount. Since the shock body now extends between the two lower mounting bolts, our suspension partners have more design space. This means the shock has more stroke for the same eye to eye length. Stroke on the 165mm eye to eye shock has increased from 38mm to 40/45mm. The Trunnion standard also offers structural gains. The shorter shock enables us to build a very compact frame and shock package, which integrates tightly to the seat tube.

We managed to have a very tiny yet stiff linkage- lighter than ever. Thanks to the Trunnion mount construction, stand over height on the new Spark is very low. We are still able to realize a super compact full-suspension frame and provide the ability to mount both a small and big water bottle.



The Spark family maintains the 165mm eye-to-eye shock length of the previous Spark 900 (our shortest shock), but realises up to 7mm more shock stroke.

All Spark RC and most Spark and Spark Plus bikes utilize the FOX Nude shock, specially made for SCOTT:

- 165mm Metric Trunnion shock
- 40mm (100mm travel RC Spark line-up) vs. 38mm (old Spark)
- 45mm (120mm travel Spark line-up)

By turning the Trunnion shock upside-down, we can fully integrate it into the frame which results in several benefits.

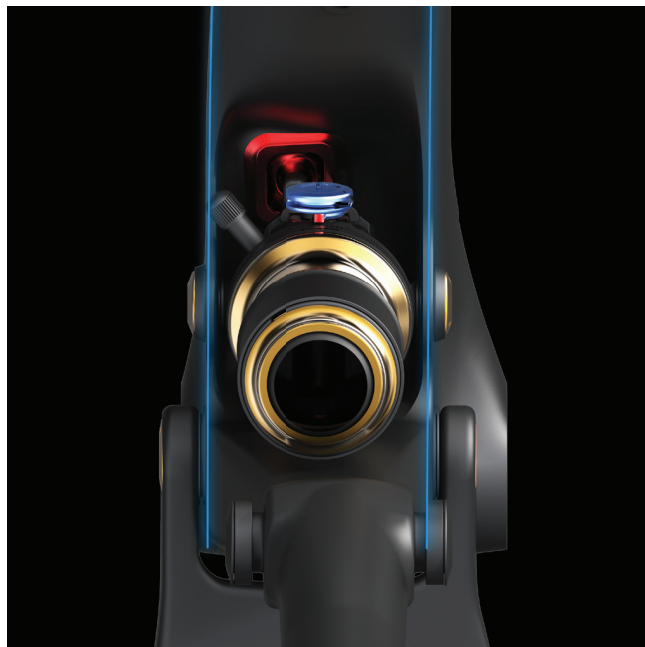
Since the Trunnion mount is the same width as the down tube and main pivot, we can have a very clean frame design in this critical area. The lack of tight transitions and small details allows for an efficient, continuous carbon structure. Carbon material added to reinforce the shock mount also stiffens the connection between the down tube, main pivot and bottom bracket, a key stiffness path.



The flipped shock also lowers the frame's center of gravity helping to give a more planted feel when riding.

Unsprung mass is reduced since it is the lighter part of the shock, connected to the linkage, not the heavier body which must move during an impact – the suspension system can react faster.

Our TwinLoc remote cable can be routed cleanly into the down tube.

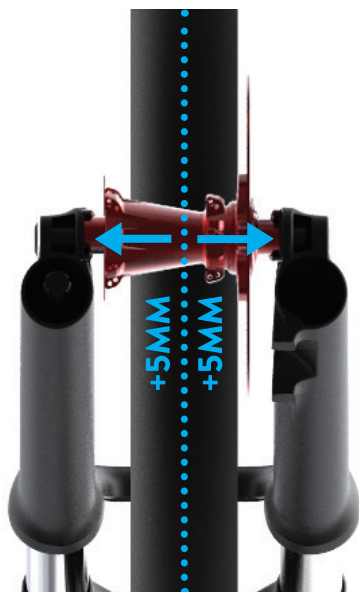


ASYMMETRIC DESIGN

The Spark down tube shock and linkage are clearly asymmetric, when looking from the top of the bike. Carbon fibres achieve their full potential when used in smooth straight lines. Offsetting the shock slightly to the left hand side of the bike gives a clean and continuous structure from the down tube through the shock mount to the main pivot.

BOOST TECHNOLOGY

BOOST STANDARD: WIDER DIMENSIONS, MULTIPLE BENEFITS

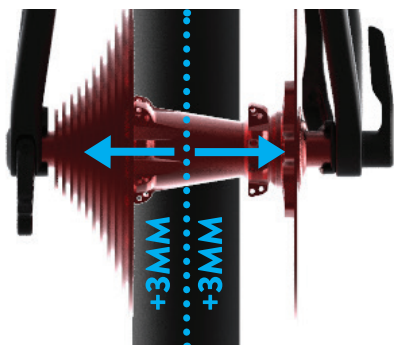
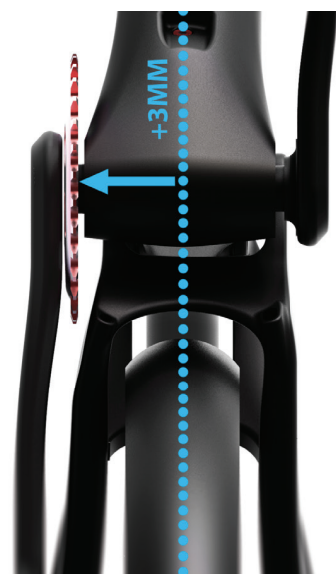


Boost is a hub and drivetrain standard developed by SRAM. Boost is built around a wider rear and front hub and enables stiffer wheels due to a wider spoke bracing angle. Boost 148 rear hubs move each flange of the rear hub three millimeters wider. Boost is designed as a complete system so drivetrain performance isn't compromised. Even though Boost pushes the cogs three millimeters outboard, the crankarm Q-Factor remains the same as the Boost system's crankset utilizes front chainrings that sit a corresponding 3mm outward to ensure the required chainline. Boost cranks can only be used when paired with a 148mm hub. On the front the hub spacing is increased by 10mm to 110mm.

Increased wheel stiffness and greater clearance for bigger tires are the main advantages of Boost technology. On the Spark project, we wanted to go beyond the basics and reap all the benefits of this innovation by optimizing frame design and geometry.

The 3 mm outboard chain ring adds clearance in the chain stay area that allows a substantial increase of the chain stay tube cross-section. Correspondingly, the stiffness in this part of the frame improves.

Also, with a wider range of positions for the rear wheel, the frame geometry can be adjusted. We can shorten the chainstays for more agile handling.



BOOST STANDARD ON THE NEW SPARK FRAME

2 SPECIFIC 1X & 2X DEVELOPMENTS



SUSPENSION TECHNOLOGY

SINGLE-PIVOT ROCKER LINK DESIGN



Looking back at SCOTT's history of mountain bike development, it becomes quite obvious that our knowledge with full suspension systems has been ever growing. We've been building bikes with several different suspension systems for many years. Our approach has always been to combine the best possible suspension with the lightest and stiffest frame platform, never compromising performance - regardless of the bike category.

For the new generation of Sparks, our goal was to develop an extremely light suspension system without compromising suspension performance. We changed from a single pivot top link design to a rocker link layout, allowing us to achieve suspension characteristics that weren't possible with the previous design. With two years in the making, our engineers now realized a single-pivot based full-suspension frame, which we believe will help riders to boost their performance regardless of their intended use. We wanted to create a full-suspension bike which is more than just light

and stiff- we wanted to build a bike which is also capable, and more versatile than ever before.

Thanks to the prevalence of 1x drivetrains, we have been able to increase the main pivot height to deliver perfect power transfer which will make it easy to punch up technical climbs.

Moving from our old platform to the new, single-pivot system has multiple reasons. Today, we believe a single-pivot system is the way to go in order to provide the best kinematic plus a superlight and stiff frame. We can build the new Spark with an unmatched stiffness-to-weight ratio. Less pivots also mean less maintenance, and even more importantly: a more sensitive riding performance. The layout allows us to design a lighter frame as shock forces are now transferred into the already reinforced main pivot and bottom bracket area. The top tube no longer has to withstand shock loading so it can be lightened.



WITH OUR NEW FULL-SUSPENSION PLATFORM, WE:

- Realize the lightest full-suspension lay-out to date, 1749 gr (Spark RC 700 SL, with shock)
- Create the shortest shock-package possible
- Achieve a superb kinematic with an optimized suspension curve
- Offer a system with best bump sensitivity and bottom-out resistance as well as good mid-stroke support

SPARK SUSPENSION CURVE

MORE SENSITIVE, MORE SUPPORT, BETTER END-PROGRESSION

The new layout offers better overall suspension performance. We can achieve a more consistent leverage ratio which transfers less force to the shock as the suspension compresses. This means the suspension is more sensitive at the beginning of travel, where small bump sensitivity is critical, but offers more support from sag point onwards, which is important for good pedalling and cornering response.

TRACTION MODE - 2-POSITION AIR VOLUME ADJUSTMENT

20% REDUCED WHEEL TRAVEL

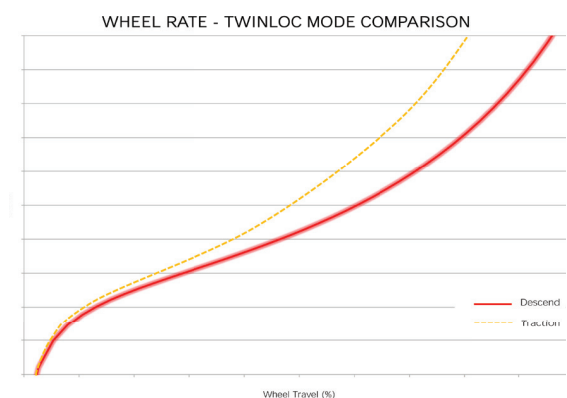
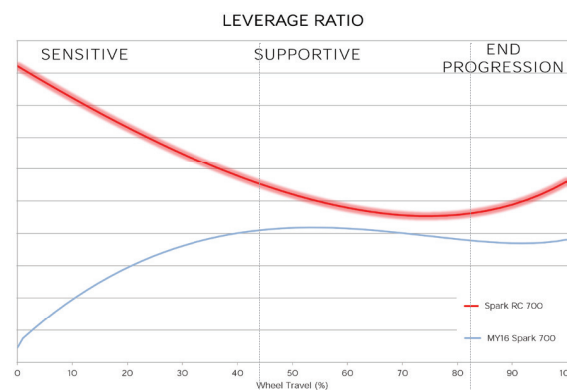
Our 2-Position Air Volume Adjustment is the system that allows us to attain two unique spring curves for Nude equipped bikes. The Twinloc lever opens or closes a second air chamber inside the shock creating two unique geometry and travel modes. In Traction mode, a single chamber is used, there is less air spring volume leading to less sag, a more agile geometry and shorter travel - ideal for climbing. In descend mode both chambers are employed, the air spring volume increases allowing the bike to sag into a slacker position with more negative travel and more available travel at an engineered spring curve specifically chosen for the full travel mode. Effectively, this technology gives you two bikes in one. No other system on the market provides this.

TWINLOC - 1 LEVER, 3 SETTINGS:

THE ORIGINAL THREE POSITION HANDLEBAR MOUNTED CONTROL

Full suspension bikes are commonly seen as assisting with descending. When it comes to racing, their real advantage lies not only in managing drops, rocks and roots; they are also a huge benefit when going through transitions and when mastering technical climbs. In XCO racing, descents make only a small time portion of the race. The largest proportion is spent on the climbs. When climbs are full of roots, rocks and tricky sections, the full suspension will help riders maintain traction and power delivery. The less energy wasted trying to save a mistake the more goes into going uphill quickly.

Our new platform has seen a major update in terms of suspension quality thanks to the revised layout. We've achieved a huge improvement in



suspension curves, and we've achieved the supple suspension and good end progression riders want to have on rough trails. In addition to that, the new Spark delivers good power transfer which will make it easy to punch up technical climbs.

However, in some situations, the best suspension can't match with a fully locked rear triangle. That's when SCOTT's proprietary TwinLoc comes into play. We give the rider the option to fully lock their suspension when the trail demands. We offer the most efficient bike handling in any riding situation.

SCOTT's patented TwinLoc is still the only system on the market that controls damping and air volume to offer three distinct ride settings. With a flick of the thumb, you can be in Traction Mode on both the fork and shock, then quickly back to Lockout for climbs or Descend for the downs. For 2017, we have a new TwinLoc lever that is accessed under the handlebar. This allows the lever to be placed on the left side, which allows more options for a dropper post and is great for the ever popular 1x drivetrain set up. This solution is protected, more versatile, and more ergonomic than ever.

100-70-LOCKOUT

THE SPARK RC SERIES OFFERS THREE TRAVEL AND GEOMETRY SETTINGS.

120 - 85-LOCKOUT

THE SPARK 900 SERIES OFFERS THREE TRAVEL AND GEOMETRY SETTINGS.

SYSTEM **INTEGRATION**

INTERNAL CABLE ROUTING

To provide a clean look and a functional solution for all the different control cable standards on the market, cable routing is fully internal and designed for full length cable housing. Routing the cables internally omits bulky external hardware and looks cleaner. The cables can endure a longer lifetime as they are protected within the frame.

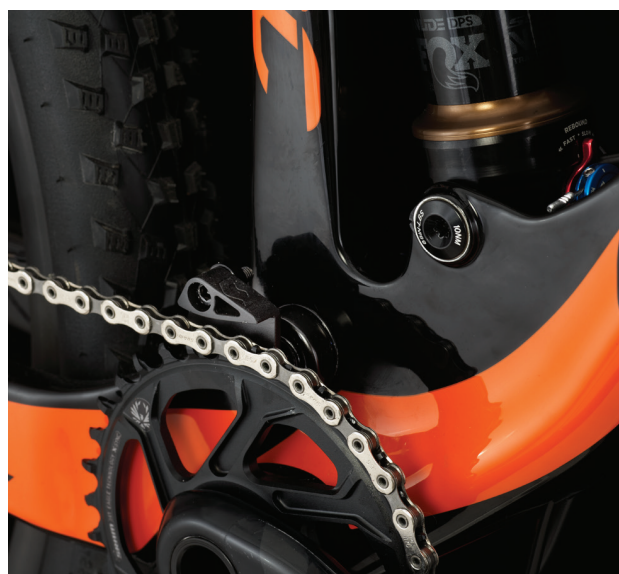
The entry points are machined alloy removable inserts that come along with the frame and can be chosen according to the setup of the bike. Assembling an electronic group or a dropper post will not be a problem and the look will always be clean-cut.



SCOTT CHAINGUIDE

Our integrated chain guide was developed in collaboration with the SCOTT ODLO MTB Racing Team.

The idea behind was to create a reliable component that helps to avoid dropping chains but that was light, versatile and integrated in the design of the frame. The new Spark chain guide weighs just 23 grams and is easy to assemble thanks to the smart assembly system and can accommodate chain rings from 30 to 36 teeth.

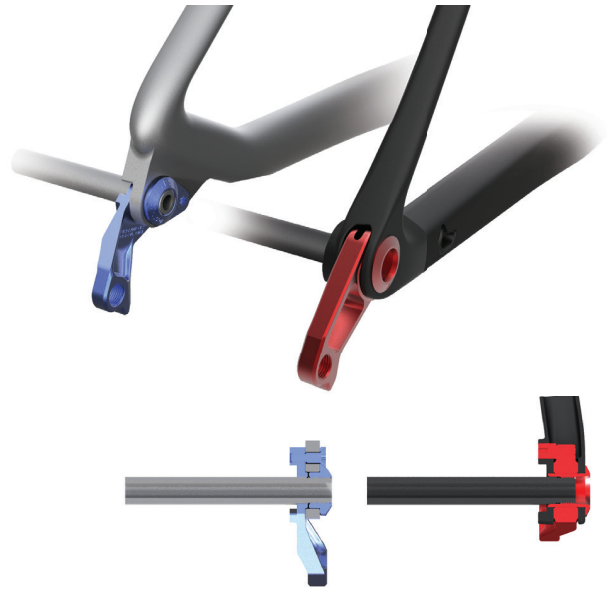


SW DROPOUTS

On the new Spark we've redesigned all the parts that can give us significant benefits in terms of performance and functionality.

On the previous model the support of the dropout was a bulky additional part molded to the carbon chain stay. The new Spark dropouts are designed to be integrated on the thru-axle system thanks to a hollow tubular design that allows a simple and lightweight structure. Available for SRAM and Shimano DM derailleurs, this dropout increases the stiffness and avoids damage to the frame in case of impacts on the rear derailleur.

- IDS SL DROPOUT
- SW DROPOUT



AXLE TOOL

Working together with DT Swiss, we completely revisited the shape of the thru-axle lever to make it more ergonomic and to perfectly fit to our frame. Additionally we introduce a new multifunctional tool integrated on the inner part of the thru-axle itself. This 25T torx wrench is easy to reach and ready to be used for quick adjustments on the trails.



GARMIN MOUNT

The integrated Garmin mount extends the reaches of integration into the realm of accessory products.

Our goal was to create a computer mount solution for our bikes that is as seamless as it is sleek. We worked on a balanced, minimalist design that secures a Garmin computer right where you need it while also making it unnoticeable when the trail requires your full attention. Easily added or removed with a single torx bolt, the Garmin mount comes in two sizes to guarantee a premium fit regardless of your choice of stem.



SYNCROS SL LINE

SL CONCEPT

Saving grams has been our mission in developing our high-end frames, so we decided to extend this research of lightness also to other components. Following this idea we've worked together with Syncros to develop the SL components line that follows the same philosophy of our new bikes:

- **REDUCE THE WEIGHT**
- **ADD MORE COMFORT**
- **INCREASE THE STRUCTURAL RIGIDITY**

To reach those goals we went through several tests with our athletes and EFBE, a German independent test company that validates the characteristics of our products.



XR STEM



The new range of XR and FL 3D forged stems share the same concept of integration of the spacers developed to work together with a specific upper bearing cup that helps to provide a clean design. A set of specific spacers necessary to adjust the handlebar stack according to the riding preferences is supplied with every bike in the range.

The front plate is designed to be assembled with no gap on the upper interface. To avoid damage to the handlebar, the inner shape has no sharp radiuses. The stem top cap is integrated in the body and the T25

FL STEM



adjusting bolt is fully compatible with headset preload systems. Both the stems are equipped with the same bolts on the front plate and the steerer clamps: T25 bolts with spring washers guarantee a solid fixation and in the meantime they can be easily adjusted with the X tool integrated in the rear axle lever of the new Scale and Spark.

In order to maintain a sleek interface with Garmin units, we've developed an integrated mount support included with the high end versions of the stem and available aftermarket. XR and FL series stems are avail-



THE NEW T-BAR

handlebar included is available with a 720mm length and a 9° backsweep. To reduce the clamping forces of the components assembled on the handlebar we've included a new textured treatment at the ends.



THE NEW SL SADDLE

is an optimized version of our high-end XR 1.0 model. We maintain almost the same shape but we reduce the length of almost 1.5 cm and use a carbon lay-up for the shell.

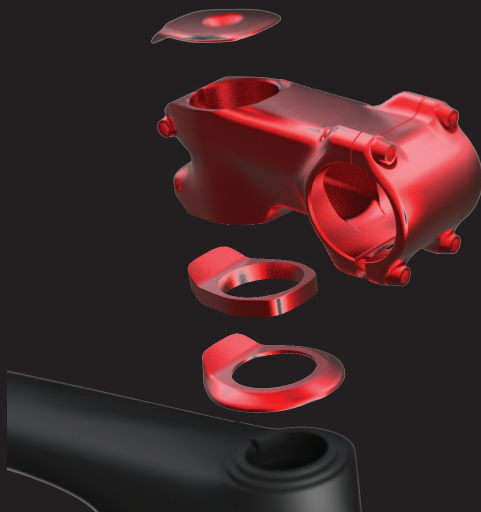
The saddle is 10% lighter than the previous model and at the same time stiffer and stronger. Syncros adjusted the carbon orientation of the fibers in the shell to get better comfort thanks to controlled flexi in the key places that add vibration absorption and reduce the undesired sag in the shell when the rider sits on the saddle.

This saddle is available aftermarket in two different widths.



THE SL SEAT POST

has a new carbon lay-up that is 10% lighter compared to the previous model. The seat post is available in two different offsets (25mm and 10mm) and two different diameters (27.2mm and 31.6mm) with a length of 400mm for both the models.



able aftermarket in 5 lengths (50-60-70-80-90mm) and two different versions: 1.5 and 2.0 models share the same design but a different alloy and paint finish.

With a weight of 135 grams (50mm length), the FL 1.5 stem assembled on the 650b models includes the Flip Flop patented design that allows a choice of angle between +6 / -6 degrees. On the other hand, the XR line-up is designed specifically around the new Scale 900 series geometry and has an aggressive fixed angle of -8 degrees.



Based on our racing experience, we know that the cockpit is a critical area and some riders would prefer a different stem. As consequence we maintain the full compatibility of the frame with the standard stems and spacers available on the market.



GEOMETRY

We've brought the Spark up to date with our own interpretation of modern race bike geometry. By splitting the Spark family into three distinct models we were able to tailor specific geometry for a wide range of riders and applications. The family shares some fundamental characteristics which make every bike a Spark

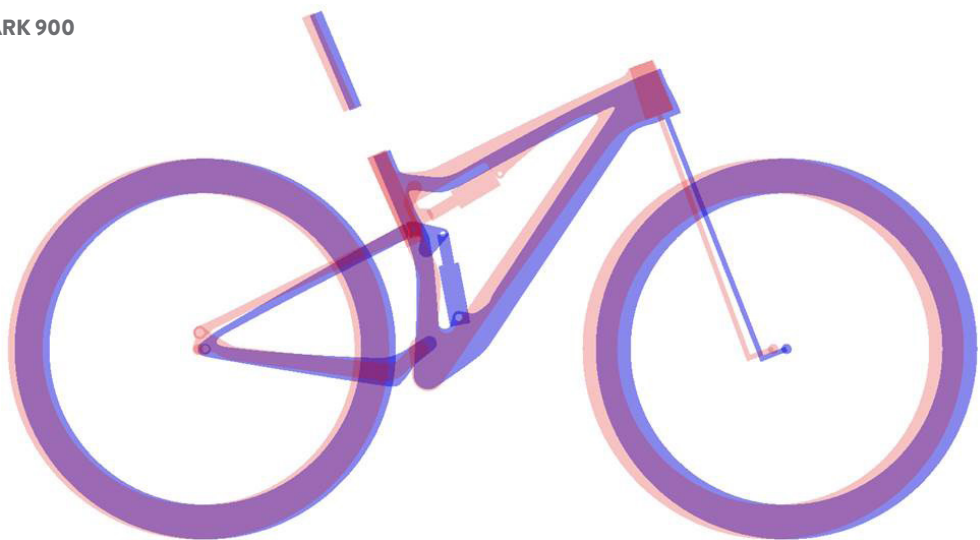
CONTROL

We now have a slacker head angle and shorter stem lengths across the range for better high speed stability and direct steering control. Incorporating the Boost standard allowed us to build a shorter rear triangle for agile cornering. The reduction in chain stay length is especially significant on 29" models. At the same time as shortening the rear triangle, we've steepened the seat tube to balance weight distribution.

FIT

Thanks to our new frame design and shock placement standover clearance is improved and the frame's center of gravity is lowered. Our racers want the lowest possible cockpit so we've given them the space to do so by minimizing stack height. Racers can now easily achieve their race fit on a 29" model. Trail riders can still use a taller stem and bar to suit their preference. Longer reaches combined with shorter stem mean riders can achieve their familiar cockpit fit.

■ SPARK RC 900
■ PREVIOUS SPARK 900



IMPROVED CONTROL		IMPROVED RACE FIT	
SLACKER HT ANGLE (1.3° SLACKER)	68.5°	LONGER REACH (17MM)	429.5 MM
SHORTER CST LENGTH (13MM SHORTER, ONLY 10MM LONGER THAN SPARK RC 700)	435 MM	LOWER STACK (17MM)	586.9 MM
STEEPER ST ANGLE (1° STEEPER)	73.8°	SHORTER STEM (10MM)	70 MM
		LOWER STANDOVER	28 MM

Comparing previous Spark 900 with new Spark RC 900 (both 100mm travel, size M)

SPARK FRAME PLATFORM - WHEELSIZES, TRAVEL, FRAME MATERIAL

MODEL	SPARK RC			SPARK		SPARK PLUS	
	TRAVEL	100mm		120mm		F130mm / R120mm	
SIZING	27.5"	S / M / L		S / M / L		-	
	29"	S / M / L / XL		S / M / L / XL		-	
	27.5" Plus	-		-		S / M / L / XL	
CONSTRUCTION	Mainframe	HMX-SL / HMX		HMX / HMF / Alu SL		HMX / HMF / Alu SL	
	Swingarm	HMX-SL / HMX		HMX / HMF / Alu SL		HMX / HMF / Alu SL	
	Linkage	Carbon / Alu		Carbon / Alu		Carbon / Alu	
SHOCK	Dimensions	Trunnion Metric 165x40mm, 20xØ10mm		Trunnion Metric 165x45mm, 20xØ10mm		Trunnion Metric 165x45mm, 20xØ10mm	
	Spec	Fox Nude		Fox Nude Evol / Fox Float / X-Fusion Nude		Fox Nude Evol / X-Fusion Nude	

SPARK FRAME PLATFORM - SPECIFICATIONS

SPARK								
	DRIVE TRAIN/BRAKES	SPEED	SUSPENSION	FRONT HUB	REAR HUB	FRAME / SWING ARM	MAX TIRE WIDTH	TRAVEL
RC 700/900 SL	SRAM XX1 EAGLE / SRAM LEVEL	12	FOX 32 SC FLOAT FACTORY / FOX NUDE	BOOST	BOOST	1BY ONLY HMX SL / CRB	2.3	100MM
RC 700/900 ULTIMATE	SRAM XX1 EAGLE / SRAM LEVEL	12	FOX 32 SC FLOAT FACTORY / FOX NUDE	BOOST	BOOST	1BY ONLY HMX / CRB	2.3	100MM
RC 700/900 WORLD CUP	SRAM X01-X1 EAGLE / SHIMANO XTR	12	FOX 32 SC FLOAT PERFORMANCE ELITE / FOX NUDE	BOOST	BOOST	1BY ONLY HMX / CRB	2.3	100MM
RC 700/900 PRO	SHIMANO XT / SHIMANO XT	11	FOX 32 SC FLOAT PERFORMANCE / FOX NUDE	BOOST	BOOST	1BY ONLY HMX / CRB	2.3	100MM
700/900 ULTIMATE	SRAM XX1 EAGLE / SRAM LEVEL	12	FOX 34 FLOAT FACTORY / FOX NUDE EVOL	BOOST	BOOST	HMX / CRB	2.4	120MM
700/900 PREMIUM	SHIMANO XTR / SHIMANO XTR	22	FOX 34 FLOAT PERFORMANCE / FOX NUDE EVOL	BOOST	BOOST	HMX / CRB	2.4	120MM
700/900	SRAM X01-X1 EAGLE / SHIMANO XT	12	FOX 34 FLOAT PERFORMANCE ELITE / FOX NUDE EVOL	BOOST	BOOST	HMF / ALLOY SL	2.4	120MM
710/910	SHIMANO XT / SHIMANO XT	22	FOX 34 FLOAT PERFORMANCE ELITE / FOX NUDE EVOL	BOOST	BOOST	HMF / ALLOY SL	2.4	120MM
720/920	SHIMANO XT-SLX / SHIMANO SLX	22	FOX 34 FLOAT PERFORMANCE / FOX NUDE EVOL	BOOST	BOOST	HMF / ALLOY SL	2.4	120MM
730/930	SRAM GX1 / SHIMANO DEORE	11	FOX 34 FLOAT PERFORMANCE / FOX NUDE EVOL	BOOST	BOOST	HMF / ALLOY SL	2.4	120MM
740/940	SHIMANO XT-DEORE / SHIMANO M506	22	FOX 34 FLOAT PERFORMANCE / FOX NUDE EVOL	BOOST	BOOST	ALLOY SL / ALLOY SL	2.4	120MM
745/945	SRAM GX1-NX1 / SHIMANO M506	11	FOX 34 FLOAT PERFORMANCE / FOX NUDE	BOOST	BOOST	ALLOY SL / ALLOY SL	2.4	120MM
750/950	SHIMANO XT-DEORE / SHIMANO M506	20	FOX 34 FLOAT PERFORMANCE / FOX FLOAT	15X100MM	BOOST	ALLOY SL / ALLOY SL	2.4	120MM
760/960	SHIMANO SLX-DEORE / SHIMANO M365	20	ROCK SHOX RECON SILVER / X-FUSION NUDE	15X100MM	5 X 141 QR	ALLOY SL / ALLOY SL	2.4	120MM
700 TUNED PLUS	SRAM XX1 EAGLE / SRAM LEVEL	12	FOX 34 FLOAT FACTORY / FOX NUDE EVOL	BOOST	BOOST	HMX / CRB	2.8	130MM
710 PLUS	SHIMANO XT / SHIMANO XT	22	FOX 34 FLOAT PERFORMANCE ELITE / FOX NUDE EVOL	BOOST	BOOST	HMF / ALLOY SL	2.8	130MM
720 PLUS	SRAM GX1 / SHIMANO DEORE	11	FOX 34 FLOAT PERFORMANCE / FOX NUDE EVOL	BOOST	BOOST	ALLOY SL / ALLOY SL	2.8	130MM
730 PLUS	SHIMANO SLX-DEORE / SHIMANO M365	20	ROCK SHOX SEKTOR RL / X-FUSION NUDE	BOOST	BOOST	ALLOY SL / ALLOY SL	2.8	130MM

SPARK RC 900 | 700 SL

SPARK RC 900 SL 249536 | SPARK RC 700 SL 249519

► ref: SPARK RC 700 SL



AVAILABLE IN  

FRAME	Spark RC Carbon / IMP technology / HMX SL 1x optimized / BB92 / Carbon SMC Link Carbon swingarm / SW dropouts for Boost 148x12mm TBC Trunnion Box Construction / Custom Chainguide lightest frame 1749g (w/shock)
FORK	FOX 32 SC Float Factory Air / Kashima FIT4 3-Modes with low speed adj. / Kabolt 15x110mm axle tapered steerer / Lockout / Reb. Adj. 100mm travel
REARSHOCK	FOX NUDE Trunnion SCOTT custom w. travel / geo adj. 3 modes: Lockout - Traction Control - Descend DPS / Kashima / Reb. Adj. Travel 100 - 70 - Lockout / 165x40mm
REMOTESYSTEM	SCOTT TwinLoc Technology / below Bar Remote 3 modes / integ. Grip clamp
HEADSET	Syncros FL1.5 Drop in / Tapered 1.5" - 1 1/8" Ti bearing diameter size 42mm and 52mm

REAR DERAILLEUR	Sram XX1 / Eagle 12 Speed
FRONT DERAILLEUR	SCOTT Chainguide
SHIFTERS	Sram XX1 Trigger
BRAKES	Sram Level Ultimate Disc 180/F and 160/R mm Centerline CLX Rotor
CRANKSET	Sram XX1 Eagle GXP Boost PF Carbon crankarm QF 168 / 700 Series: 34T / 900 Series: 32T
BB-SET	Sram GXP PF integrated / shell 41x92mm
HANDLEBAR	Syncros FL1.0 SL Carbon T-Bar T shape flat / 9° / 720mm Syncros Pro lock-on grips
HANDLEBAR STEM	Syncros / 700 Series: FL1.5 +6° / 900 Series: XR1.5 -8° integrated Spacer & Top Cup / 2014 Alloy / 31.8mm / 11/8" Garmin mount
SEATPOST	Syncros FL1.0 SL Carbon 10mm offset / 31.6 x 400mm
SEAT	Syncros XR1.0 SL / Carbon rails

HUB (FRONT)	Syncros XR1.0 CL / 15x110mm made by DT Swiss
HUB (REAR)	Syncros XR1.0 CL / Boost 148x12mm RWS w/Removable Lever / 36T Ratchet System / XD made by DT Swiss
CHAIN	Sram PCXX1 Eagle
CASSETTE	Sram XX1 / XG1299 / 10-50 T
SPOKES	DT Swiss Aero Comp
RIMS	Syncros XR1.0 Carbon / 28H / Carbon rim tubeless ready
TIRES	Schwalbe Rocket Ron EVO / 2.25 127EPI Kevlar Bead / Tubeless Easy PaceStar compound / Schwalbe EVO Tubes
WEIGHT	700 Series: Check website 900 Series: Check website

SPARK RC 900 | 700 ULTIMATE

SPARK RC 900 ULTIMATE 249537 | SPARK RC 700 ULTIMATE 249520

► ref: SPARK RC 700 ULTIMATE



AVAILABLE IN  

FRAME	Spark RC Carbon / IMP technology / HMX 1x optimized / BB92 / Carbon SMC Link Carbon swingarm / SW dropouts for Boost 148x12mm TBC Trunnion Box Construction / Custom Chainguide
FORK	FOX 32 SC Float Factory Air / Kashima FIT4 3-Modes with low speed adj. / Kabolt 15x110mm axle tapered steerer / Lockout / Reb. Adj. 100mm travel
REARSHOCK	FOX NUDE Trunnion SCOTT custom w. travel / geo adj. 3 modes: Lockout - Traction Control - Descend DPS / Kashima / Reb. Adj. Travel 100 - 70 - Lockout / 165x40mm
REMOTESYSTEM	SCOTT TwinLoc Technology / below Bar Remote 3 modes / integ. Grip clamp
HEADSET	Syncros FL1.5 Drop in / Tapered 1.5" - 1 1/8" Ti bearing diameter size 42mm and 52mm

REAR DERAILLEUR	Sram XX1 / Eagle 12 Speed
FRONT DERAILLEUR	SCOTT Chainguide
SHIFTERS	Sram XX1 Trigger
BRAKES	Sram Level Ultimate Disc 180/F and 160/R mm Centerline CLX Rotor
CRANKSET	Sram XX1 Eagle GXP Boost PF Carbon crankarm QF 168 / 700 Series: 34T / 900 Series: 32T
BB-SET	Sram GXP PF integrated / shell 41x92mm
HANDLEBAR	Syncros FL1.0 SL Carbon T-Bar T shape flat / 9° / 720mm Syncros Pro lock-on grips
HANDLEBAR STEM	Syncros / 700 Series: FL1.5 +6° / 900 Series: XR1.5 -8° integrated Spacer & Top Cup / 2014 Alloy / 31.8mm / 11/8" Garmin mount
SEATPOST	Syncros FL1.0 Carbon 10mm offset / 31.6 x 400mm

SEAT	Syncros XR1.0 SL / Carbon rails
HUB (FRONT)	Syncros XR1.5 CL / 15x110mm made by DT Swiss
HUB (REAR)	Syncros XR1.5 CL / Boost 148x12mm RWS w/Removable Lever / 36T Ratchet System / XD made by DT Swiss
CHAIN	Sram PCXX1 Eagle
CASSETTE	Sram XX1 / XG1299 / 10-50 T
SPOKES	DT Swiss Aero Comp
RIMS	Syncros XR1.5 / 28H / Tubeless ready
TIRES	Schwalbe Rocket Ron EVO / 2.25 127EPI Kevlar Bead / Tubeless Easy PaceStar compound / Schwalbe EVO Tubes
WEIGHT	700 Series: Check website 900 Series: Check website

SPARK RC 900 | 700 WORLD CUP

SPARK RC 900 WORLD CUP 249538 | SPARK RC 700 WORLD CUP 249521



AVAILABLE IN  

FRAME	Spark RC Carbon / IMP technology / HMX 1x optimized / BB92 / Carbon SMC Link Carbon swingarm / SW dropouts for Boost 148x12mm TBC Trunnion Box Construction / Custom Chainguide
FORK	FOX 32 SC Float Performance Elite Air FIT4 3- Modes with low speed adj. / 15x110mm QR axle tapered steerer / Lockout / Reb. Adj. 100mm travel
REARSHOCK	FOX NUDE Trunnion SCOTT custom w. travel / geo adj. 3 modes: Lockout - Traction Control - Descend DPS / Reb. Adj. / Travel 100 - 70 - Lockout / 165x40mm
REMOTESYSTEM	SCOTT TwinLoc Technology / below Bar Remote 3 modes / integ. Grip clamp
HEADSET	Syncros FL1.5 Drop in / Tapered 1.5" - 1 1/8" T1 bearing diameter size 42mm and 52mm

REAR DERAILLEUR	Sram X01 / Eagle 12 Speed
FRONT DERAILLEUR	SCOTT Chainguide
SHIFTERS	Sram X01 Trigger
BRAKES	Shimano XTR M9000 Disc 180/F and 160/R mm SM-RT81 CL Ictech Rotor
CRANKSET	Sram X1 Eagle GXP Boost PF Carbon crankarm QF 168 / 700 Series: 34T / 900 Series: 32T
BB-SET	Sram GXP PF integrated / shell 41x92mm
HANDLEBAR	Ritchey Carbon WCS 2X T shape Flat / 9" / 720mm Syncros Pro lock-on grips
HANDLEBAR STEM	Ritchey WCS C-220 oversize 31.8mm / 700 Series: +6° / 900 Series: -6°
SEATPOST	Ritchey WCS Carbon Link Flexi 31.6 x 400mm

SEAT	Syncros XR1.5 / Titanium rails
HUB (FRONT)	Syncros XR RC CL / 15x110mm made by DT Swiss
HUB (REAR)	Syncros XR RC CL / Boost 148x12mm RWS w/Removable Lever / XD made by DT Swiss
CHAIN	Sram PCX01 Eagle
CASSETTE	Sram X01 / XG1295 / 10-50 T
SPOKES	DT Swiss Aero Comp
RIMS	Syncros XR RC / 28H / Tubeless ready
TIRES	Schwalbe Rocket Ron EVO / 2.25 127EPI Kevlar Bead / Tubeless Easy PaceStar compound / Schwalbe EVO Tubes
WEIGHT	700 Series: Check website 900 Series: Check website

► ref: SPARK RC 700 WORLD CUP

SPARK RC 900 | 700 PRO

SPARK RC 900 PRO 249539 | SPARK RC 700 PRO 249522



AVAILABLE IN  

FRAME	Spark RC Carbon / IMP technology / HMX 1x optimized / BB92 / Carbon swingarm SW dropouts for Boost 148x12mm TBC Trunnion Box Construction / Custom Chainguide
FORK	FOX 32 SC Float Performance Air Grip 3 / 3- Modes / 15x110mm QR axle / tapered steerer Lockout / Reb. Adj. / 100mm travel
REARSHOCK	FOX NUDE Trunnion SCOTT custom w. travel / geo adj. 3 modes: Lockout - Traction Control - Descend DPS / Reb. Adj. / Travel 100 - 70 - Lockout / 165x40mm
REMOTESYSTEM	SCOTT TwinLoc Technology / below Bar Remote 3 modes / integ. Grip clamp
HEADSET	Syncros FL2.0 Drop in / Tapered 1.5" - 1 1/8" bearing diameter size 42mm and 52mm
REAR DERAILLEUR	Shimano XT RD-M8000 SG DM / Shadow Plus / 11 Speed

FRONT DERAILLEUR	SCOTT Chainguide
SHIFTERS	Shimano XT SL-M8000-1 / Rapidfire Plus 2 way release / I spec 2 clamp
BRAKES	Shimano XT M8000 Disc 180/F and 160/R mm SM-RT64 CL Rotor
CRANKSET	Shimano XT FC-M8000-B1 / Hollowtech 2 700 Series: 34T / 900 Series: 32T
BB-SET	Shimano SM-BB7141A / shell 41x92mm
HANDLEBAR	Syncros FL1.5 T-Bar / Alloy 7050 D.B. T shape Flat / 9" / 720mm Syncros Pro lock-on grips
HANDLEBAR STEM	Syncros / 700 Series: FL1.5 +6° / 900 Series: XR1.5 -8° integrated Spacer & Top Cup / 2014 Alloy / 31.8mm / 11/8" Garmin mount
SEATPOST	Syncros FL1.5 / 10mm offset 31.6 x 400mm

SEAT	Syncros XR1.5 / Titanium rails
HUB (FRONT)	Syncros XR2.0 CL / 15x110mm made by DT Swiss
HUB (REAR)	Syncros XR2.0 CL / Boost 148x12mm RWS w/Removable Lever made by DT Swiss
CHAIN	Shimano CN-HG601-11
CASSETTE	Shimano XT CS-M8000 / 11-46 T
SPOKES	DT Swiss Competition 2.0-1.8-2.0 Black
RIMS	Syncros XR2.0 / 28H / Tubeless ready
TIRES	Schwalbe Rocket Ron EVO / 2.25 127EPI Kevlar Bead / Tubeless Easy PaceStar compound / Schwalbe EVO Tubes
WEIGHT	700 Series: Check website 900 Series: Check website

SPARK 900 | 700 ULTIMATE

SPARK 900 ULTIMATE 249540 | SPARK 700 ULTIMATE 249523

► ref: SPARK 700 ULTIMATE



AVAILABLE IN  

FRAME	Spark 3 Carbon / IMP technology / HMX BB92 / Carbon SMC Link / Carbon swingarm SW dropouts for Boost 148x12mm TBC Trunnion box construction custom Chainguide
FORK	FOX 34 Float Factory Air / Kashima FIT4 3-Modes with low speed adj. / 15x110mm QR axle tapered steerer / Reb. Adj. / Lockout / 120mm travel
REARSHOCK	FOX NUDE Trunnion SCOTT custom w. travel / geo adj. 3 modes: Lockout - Traction Control - Descend DPS / EVOL / Kashima / Reb. Adj. Travel 120 - 85 - Lockout / 165x45mm
REMOTESYSTEM	SCOTT TwinLoc Technology / below Bar Remote 3 modes / integ. Grip clamp
HEADSET	Syncros FL1.5 Drop in / Tapered 1.5" - 1 1/8" Ti bearing diameter size 42mm and 52mm

REAR DERAILLEUR	Sram XX1 / Eagle 12 Speed
FRONT DERAILLEUR	SCOTT Chainguide
SHIFTERS	Sram XX1 Trigger
BRAKES	Sram Level Ultimate Disc 180mm F & R / Centerline CLX Rotor
CRANKSET	Sram XX1 Eagle GXP Boost PF Carbon crankarm QF 168 / 700 Series: 34T / 900 Series: 32T
BB-SET	Sram GXP PF integrated / shell 41x92mm
HANDLEBAR	Syncros FL1.0 SL Carbon T-Bar T shape flat / 9" / 740mm
	Syncros Pro lock-on grips
HANDLEBAR STEM	Syncros FL1.5 / Alloy 2014 integrated Spacer & Top Cup / 31.8mm / 6" / 11/8" Garmin mount
SEATPOST	Rock Shox Reverb Stealth inside hydraulic remote system 31.6mm / S size 100mm / M, L & XL 125mm

SEAT	Syncros XR1.0 SL / Carbon rails
HUB (FRONT)	Syncros XR1.0 CL / 15x110mm made by DT Swiss
HUB (REAR)	Syncros XR1.0 CL / Boost 148x12mm RWS w/removable Lever / 36T Ratchet System / XD made by DT Swiss
CHAIN	Sram PCXX1 Eagle
CASSETTE	Sram XX1 / XG1299 / 10-50 T
SPOKES	DT Swiss Aero Comp
RIMS	Syncros XR1.0 Carbon / 28H / Carbon rim tubeless ready
TIRES	Maxxis Forekaster / 2.35 / 120TPI Kevlar Bead TR Tubeless Ready / EXO / 3C maxx speed
WEIGHT	700 Series: Check website 900 Series: Check website

SPARK 900 | 700 PREMIUM

SPARK 900 PREMIUM 249541 | SPARK 700 PREMIUM 249524

► ref: SPARK 700 PREMIUM



AVAILABLE IN  

FRAME	Spark 3 Carbon / IMP technology / HMX BB92 / Carbon SMC Link / Carbon swingarm SW DM dropouts for Boost 148x12mm TBC Trunnion box construction
FORK	FOX 34 Float Factory Air / Kashima FIT4 3-Modes with low speed adj. / 15x110mm QR axle tapered steerer / Reb. Adj. / Lockout / 120mm travel
REARSHOCK	FOX NUDE Trunnion SCOTT custom w. travel / geo adj. 3 modes: Lockout - Traction Control - Descend DPS / EVOL / Kashima / Reb. Adj. Travel 120 - 85 - Lockout / 165x45mm
REMOTESYSTEM	SCOTT TwinLoc Remote Technology 3 modes front and rear / integ. Grip clamp
HEADSET	Syncros FL1.5 Drop in / Tapered 1.5" - 1 1/8" Ti bearing diameter size 42mm and 52mm

REAR DERAILLEUR	Shimano XTR RD-M9000 SGS DM / Shadow Plus / 22 Speed
FRONT DERAILLEUR	Shimano XTR FD-M9020-D / side swing
SHIFTERS	Shimano XTR SL-M9000-I / Rapidfire Plus 2 way release / I spec 2 clamp
BRAKES	Shimano XTR M9000 Disc 180mm F & R / SM-RT99 CL Ictech Rotor
CRANKSET	Shimano XTR FC-M9020-B2 / Hollowtech 2 700 Series: 36x26 T / 900 Series: 34x24 T
BB-SET	Shimano SM-BB9441A / shell 41x92mm
HANDLEBAR	Syncros FL1.0 SL Carbon T-Bar T shape flat / 9" / 740mm
	Syncros Pro lock-on grips
HANDLEBAR STEM	Syncros FL1.5 / Alloy 2014 integrated Spacer & Top Cup / 31.8mm / 6" / 11/8" Garmin mount

SEATPOST	FOX Transfer Dropper Remote Kashima / 31.6mm / S size 100mm / M, L & XL 125mm
SEAT	Syncros XR1.5 / Titanium rails
HUB (FRONT)	Syncros XR1.5 CL / 15x110mm made by DT Swiss
HUB (REAR)	Syncros XR1.5 CL / Boost 148x12mm RWS w/removable Lever / 36T Ratchet System / XD made by DT Swiss
CHAIN	Shimano CN-M901-11
CASSETTE	Shimano XTR CS-M9001 / 11-40 T
SPOKES	DT Swiss Aero Comp
RIMS	Syncros XR1.5 / 28H / Tubeless ready
TIRES	Maxxis Forekaster / 2.35 / 120TPI Kevlar Bead TR Tubeless Ready / EXO / 3C maxx speed
WEIGHT	700 Series: Check website 900 Series: Check website

SPARK 900 | 700

SPARK 900 249542 | SPARK 700 249525



AVAILABLE IN  

FRAME	Spark 3 Carbon / IMP technology / HMF Mainframe	HEADSET	Syncros FL2.0 Drop in / Tapered 1.5" - 11/8" bearing diameter size 42mm and 52mm	SEATPOST	FOX Transfer Dropper Remote 31.6mm / S size 100mm / M, L & XL 125mm
	BB92 / Alloy SL 6011 swingarm				
FORK	FOX 34 Float Performance Elite Air FIT4 3- Modes with low speed adj. / 15x110mm QR axle tapered steerer / Reb. Adj. / Lockout / 120mm travel	REAR DERAILLEUR	Sram X01 / Eagle 12 Speed	SEAT	Syncros XR1.5 / Titanium rails
		FRONT DERAILLEUR	SCOTT Chainguide	HUB (FRONT)	Syncros XR2.0 CL / 15x110mm made by DT Swiss
REAR SHOCK	FOX NUDE Trunnion	SHIFTERS	Sram X01 Trigger	HUB (REAR)	Syncros XR2.0 CL / Boost 148x12mm RWS axle / made by DT Swiss
	SCOTT custom w. travel / geo adj. 3 modes: Lockout - Traction Control - Descend DPS / EVOL / Reb. Adj.	BRAKES	Shimano XT M8000 Disc 180mm F & R / SM-RT64 CL Rotor	CHAIN	Sram PCX01 Eagle
REMOTESYSTEM	Travel 120 - 85 - Lockout / 165x45mm	CRANKSET	Sram X1 1400 Eagle GXP Boost PF 700 Series: 34T / 900 Series: 32T	CASSETTE	Sram X01 / XGI295 / 10-50 T
	SCOTT TwinLoc TSP Technology Suspension - Seatpost. Remote below Bar / 3 modes / integ. Grip clamp	BB-SET	Sram GXP PF integrated / shell 41x92mm	SPOKES	DT Swiss Competition 2.0-1.8-2.0 Black
		HANDLEBAR	Syncros FL1.5 T-Bar / Alloy 7050 D.B. T shape Flat / 9" / 740mm Syncros Pro lock-on grips	RIMS	Syncros XR2.0 / 28H / Tubeless ready
		HANDLEBAR STEM	Syncros FL1.5 / Alloy 2014 integrated Spacer & Top Cup / 31.8mm / 6" / 11/8"	TIRES	Maxxis Forekaster / 2.35 / 120TPI Kevlar Bead TR Tubeless Ready / EXO / 3C maxx speed
				WEIGHT	700 Series: Check website 900 Series: Check website

SPARK 910 | 710

SPARK 910 249550 | SPARK 710 249533



AVAILABLE IN  

FRAME	Spark 3 Carbon / IMP technology / HMF Mainframe	REAR DERAILLEUR	Shimano XT RD-M8000 SGS DM / Shadow Plus / 22 Speed	SEATPOST	FOX Transfer Dropper Remote 31.6mm / S size 100mm / M, L & XL 125mm
	BB92 / Alloy SL 6011 swingarm				
FORK	FOX 34 Float Performance Elite Air FIT4 3- Modes with low speed adj. / 15x110mm QR axle tapered steerer / Reb. Adj. / Lockout / 120mm travel	FRONT DERAILLEUR	Shimano XT FD-M8020-D / side swing	SEAT	Syncros XR1.5 / Titanium rails
		SHIFTERS	Shimano XT SL-M8000-1 / Rapidfire Plus 2 way release / spec 2 clamp	HUB (FRONT)	Syncros XR2.0 CL / 15x110mm made by DT Swiss
REAR SHOCK	FOX NUDE Trunnion	BRAKES	Shimano XT M8000 Disc 180mm F & R / SM-RT64 CL Rotor	HUB (REAR)	Syncros XR2.0 CL / Boost 148x12mm RWS axle / made by DT Swiss
	SCOTT custom w. travel / geo adj. 3 modes: Lockout - Traction Control - Descend DPS / EVOL / Reb. Adj.	CRANKSET	Shimano XT FC-M8000-B2 / Hollowtech 2 700 Series: 36x26 T / 900 Series: 34x24 T	CHAIN	Shimano CN-HG601
REMOTESYSTEM	Travel 120 - 85 - Lockout / 165x45mm	BB-SET	Shimano SM-BB71-41A / shell 41x92mm	CASSETTE	Shimano XT CS-M8000 / 11-42 T
	SCOTT TwinLoc Remote Technology 3 modes front and rear / integ. Grip clamp	HANDLEBAR	Syncros FL1.5 T-Bar / Alloy 7050 D.B. T shape Flat / 9" / 740mm Syncros Pro lock-on grips	SPOKES	DT Swiss Competition 2.0-1.8-2.0 Black
HEADSET	Syncros FL2.0 Drop in / Tapered 1.5" - 11/8" bearing diameter size 42mm and 52mm	HANDLEBAR STEM	Syncros FL1.5 / Alloy 2014 integrated Spacer & Top Cup / 31.8mm / 6" / 11/8"	RIMS	Syncros XR2.0 / 28H / Tubeless ready
				TIRES	Maxxis Forekaster / 2.35 / 120TPI Kevlar Bead TR Tubeless Ready / EXO / 3C maxx speed
				WEIGHT	700 Series: Check website 900 Series: Check website



► ref: SPARK 720

AVAILABLE IN  

FRAME	Spark 3 Carbon / IMP technology / HMF Mainframe
	BB92 / Alloy SL 6011 swingarm
FORK	FOX 34 Float Performance Air
	Grip 3 / 3-Modes / 15x110mm QR axle / tapered steerer
REARSHOCK	FOX NUDE Trunnion
	SCOTT custom w. travel / geo adj.
REMOOTESYSTEM	SCOTT TwinLoc Remote Technology
	3 modes front and rear / integ. Grip clamp
HEADSET	Syncros Pro Drop in / Tapered 1.5" - 11/8" bearing diameter size 42mm and 52mm

REAR DERAILEUR	Shimano XT RD-M8000 SGS
FRONT DERAILEUR	Shimano SLX FD-M7020-11D / side swing
SHIFTERS	Shimano SLX SL-M7000-11-I / Rapidfire Plus
BRAKES	Shimano SLX M7000 Disc
CRANKSET	Shimano SLX FC-M7000-11-B2 / Hollowtech 2
BB-SET	Shimano BB-MT500-PA / shell 4x92mm
HANDLEBAR	Syncros FL1.5 T-Bar / Alloy 7050 D.B.
HANDLEBAR STEM	Syncros FL1.5 / Alloy 2014

SEATPOST	FOX Transfer Dropper Remote
SEAT	Syncros XR2.0 / CROM rails
HUB(FRONT)	Syncros XR2.5 CL / 15x110mm
HUB(REAR)	Syncros XR2.5 CL / Boost 148x12mm
CHAIN	KMC X11L
CASSETTE	Shimano SLX CS-M7000 / 11-42 T
SPOKES	DT Swiss Competition 2.0-1.8-2.0 Black
RIMS	Syncros XR2.5 / 28H / Tubeless ready
TIRES	Maxxis Forekaster / 2.35 / 120TPI Kevlar Bead
WEIGHT	700 Series: Check website



► ref: SPARK 730

AVAILABLE IN  

FRAME	Spark 3 Carbon / IMP technology / HMF Mainframe
	BB92 / Alloy SL 6011 swingarm
FORK	FOX 34 Float Performance Air
	Grip 3 / 3-Modes / 15x110mm QR axle / tapered steerer
REARSHOCK	FOX NUDE Trunnion
	SCOTT custom w. travel / geo adj.
REMOOTESYSTEM	SCOTT TwinLoc TSP Technology
	Suspension - Seatpost Remote
HEADSET	Syncros Pro Drop in / Tapered 1.5" - 11/8" bearing diameter size 42mm and 52mm

REAR DERAILEUR	Sram GX1 Trigger
SHIFTERS	Shimano M506 Disc
BRAKES	Sram Custom GX1 GXP Boost PF
CRANKSET	Sram GX1 PF integrated / shell 4x92mm
BB-SET	Sram GX1 PF integrated / shell 4x92mm
HANDLEBAR	Syncros FL1.5 T-Bar / Alloy 7050 D.B.
HANDLEBAR STEM	Syncros FL2.0 / 6061 Alloy

SEATPOST	Syncros Dropper 2.0 / YSP12 ICR / Remote
SEAT	Syncros XR2.0 / CROM rails
HUB(FRONT)	Syncros 3.0 / TC-711 / 15x110mm
HUB(REAR)	Syncros 3.0 / TC-14811 / Boost 148x12mm
CHAIN	Sram CN-PC1110
CASSETTE	Sram XG1150 / 10-42 T
SPOKES	Xero Forza / 2.0 Black / Nylon
RIMS	Syncros 3.0 / 28H / Tubeless ready
TIRES	Maxxis Forekaster / 2.35 / 120TPI Kevlar Bead
WEIGHT	700 Series: Check website

SPARK 940 | 740

SPARK 940 **249546** | SPARK 740 **249529**



AVAILABLE IN  

FRAME	Spark 3 Alloy SL 6011 custom butted Hydroformed tubes tapered Headtube / BB92 / DM hanger dropouts for 148x12mm
FORK	FOX 34 Float Performance Air Grip 3 / 3- Modes / 15x10mm QR axle / tapered steerer Reb. Adj. / Lockout / 120mm travel
REAR SHOCK	FOX NUDE Trunnion SCOTT custom w. travel / geo adj. 3 modes: Lockout - Traction Control - Descend DPS / EVOL / Reb. Adj. Travel 120 - 85 - Lockout / 165x45mm
REMOTE SYSTEM	SCOTT TwinLoc Remote Technology 3 modes front and rear / integ. Grip clamp
HEADSET	Syncros Pro Press Fit / Tapered 1.5" - 11/8" OD 50/61mm / ID 44/55mm

REAR DERAILLEUR	Shimano XT RD-M8000 SGS DM / Shadow Plus / 22 Speed
FRONT DERAILLEUR	Shimano XT FD-M8020-D / side swing
SHIFTERS	Shimano XT SL-M8000-B-1 / Rapidfire Plus 2 way releasespec 2 clamp
BRAKES	Shimano M615 Disc 180mm F & R / SM-RT64 CL Rotor
CRANKSET	Shimano XT FC-M8000-B2 / Hollowtech 2 700 Series: 36x26 T / 900 Series: 34x24 T
BB-SET	Shimano BB-MT500-PA / shell 41x92mm
HANDLEBAR	Syncros FL2.0 T-Bar / Alloy 6061 T shape Flat / 9" / 740mm Syncros Pro lock-on grips
HANDLEBAR STEM	Syncros FL2.0 / 6061 Alloy 6" / integrated Top Cup / 31.8mm / 11/8"

SEATPOST	FOX Transfer Dropper Remote 31.6mm / S size 100mm / M, L & XL 125mm
SEAT	Syncros XR2.0 / CROM rails
HUB (FRONT)	Shimano HB-M618-B CL / 15x110mm
HUB (REAR)	Shimano FH-M618-B CL / Boost 12x148mm RWS axle
CHAIN	KMC X11L
CASSETTE	Shimano SLX CS-M7000 / 11-42 T
SPOKES	DT Swiss Champion Black 1.8mm
RIMS	Syncros X-23 / 32H / Tubeless ready
TIRES	Maxxis Forekaster / 2.35 / 120TPI Kevlar Bead TR Tubeless Ready / EXO / 3C maxx speed
WEIGHT	700 Series: Check website 900 Series: Check website

► ref: SPARK 740

SPARK 945 | 745

SPARK 945 **249547** | SPARK 745 **249530**



AVAILABLE IN  

FRAME	Spark 3 Alloy SL 6011 custom butted Hydroformed tubes tapered Headtube / BB92 dropouts for 148x12mm
FORK	FOX 34 Float Performance Air Grip 3 / 3- Modes / 15x10mm QR axle / tapered steerer Reb. Adj. / Lockout / 120mm travel
REAR SHOCK	FOX NUDE Trunnion SCOTT custom w. travel / geo adj. 3 modes: Lockout - Traction Control - Descend DPS / Reb. Adj. Travel 120 - 85 - Lockout / 165x45mm
REMOTE SYSTEM	SCOTT TwinLoc TSP Technology Suspension - Seatpost. Remote below Bar / 3 modes / integ. Grip clamp

HEADSET	Syncros Comp Press Fit / Tapered 1.5" - 11/8" OD 50/61mm / ID 44/55mm
REAR DERAILLEUR	Sram GX1 / 11 Speed
SHIFTERS	Sram NX1 Trigger
BRAKES	Shimano M506 Disc 180mm F & R / SM-RT54 CL Rotor
CRANKSET	Sram Custom NX1 GXP Boost PF 700 Series: 32T / 900 Series: 30T
BB-SET	Sram GXP PF integrated / shell 41x92mm
HANDLEBAR	Syncros FL2.0 T-Bar / Alloy 6061 T shape Flat / 9" / 740mm Syncros Pro lock-on grips
HANDLEBAR STEM	Syncros FL2.0 / 6061 Alloy 6" / integrated Top Cup / 31.8mm / 11/8"
PEDALS	Wellgo M-21

SEATPOST	Syncros Dropper 2.0 / YSP12 ICR / Remote 31.6mm / S size 100mm / M, L & XL 120mm
SEAT	Syncros XR2.0 / CROM rails
HUB (FRONT)	Syncros CL811 / 15x110mm made by Formula
HUB (REAR)	Syncros CL14811 / Boost 148x12mm RWS axle / XD / made by Formula
CHAIN	Sram CN-PC1110
CASSETTE	Sram XG1150 / 10-42 T
SPOKES	Stainless Black 15G / 1.8mm
RIMS	Syncros X-23 / 32H / Tubeless ready
TIRES	Maxxis Forekaster / 2.35 / 60TPI Kevlar Bead Dual compound
WEIGHT	700 Series: Check website 900 Series: Check website

SPARK 950 | 750

SPARK 950 249548 | SPARK 750 249531

► ref: SPARK 750



AVAILABLE IN  

FRAME	Spark 3 Alloy SL 6011 custom butted Hydroformed tubes tapered Headtube / BB92 / DM hanger dropouts for 148x12mm
FORK	FOX 32 Float Performance Air Grip 3 / 3-Modes / 15x100mm QR axle / tapered steerer Reb. Adj. / Lockout / 120mm travel
REARSHOCK	FOX Float Performance Trunnion 3 modes / Lockout - Trail - Descend DPS / Reb. Adj. Travel 120mm / 165x45mm
REMOTESYSTEM	SCOTT TwinLoc Remote Technology 3 modes front and rear
HEADSET	Syncros Comp Press Fit / Tapered 1.5" - 11/8" OD 50/61mm / ID 44/55mm

REAR DERAILLEUR	Shimano XT RD-M781 SGS Shadow Type / 20 Speed
FRONT DERAILLEUR	Shimano Deore FD-M617-D / side swing
SHIFTERS	Shimano Deore SL-M610-I / Rapidfire Plus 2 way release/gear indicator
BRAKES	Shimano M506 Disc 180mm F & R / SM-RT54 CL Rotor
CRANKSET	Shimano FC-M627-B2 / 2-piece Design 36x22 T
BB-SET	Shimano BB-MT500-PA / shell 41x89.5mm
HANDLEBAR	Syncros FL2.0 T-Bar / Alloy 6061 T shape Flat / 9° / 740mm
HANDLEBAR STEM	Syncros 6061 Alloy oversize 31.8mm / 11/8" / 6° angle
PEDALS	Wellgo M-21

SEATPOST	Syncros Dropper 2.0 / YSP12 ICR / Remote 31.6mm / S size 100mm / M, L & XL 120mm
SEAT	Syncros XR2.5
HUB (FRONT)	Shimano HB-M618 CL / 15x100mm
HUB (REAR)	Shimano FH-M618-B CL / Boost 12x148mm RWS axle
CHAIN	KMC X10
CASSETTE	Shimano CS-HG50-10 / 11-36 T
SPOKES	Stainless Black 15G / 1.8mm
RIMS	Syncros X-23 / 32H / Tubeless ready
TIRES	Maxxis Forekaster / 2.35 / 60TPI Kevlar Bead Dual compound
WEIGHT	700 Series: Check website 900 Series: Check website

SPARK 960 | 760

SPARK 960 249549 | SPARK 760 249532

► ref: SPARK 760



AVAILABLE IN  

FRAME	Spark 3 Alloy SL 6011 custom butted Hydroformed tubes tapered Headtube / BB92 dropouts for 141x5mm
FORK	Rock Shox Recon Silver RL Solo Air 15x100mm QR axle / Tapered Steerer Reb. Adj. / Lockout / 120mm travel
REARSHOCK	X-Fusion NUDE Trunnion SCOTT custom w. travel / geo adj. 3 modes: Lockout - Traction Control - Descend Reb. Adj. Travel 120 - 85 - Lockout / 165x45mm
REMOTE SYSTEM	SCOTT TwinLoc Remote Technology 3 modes

HEADSET	Syncros OE Press Fit / Tapered 1.5" - 11/8" OD 50/61mm / ID 44/55mm
REAR DERAILLEUR	Shimano SLX RD-M7000-10 SGS Shadow Type / 20 Speed
FRONT DERAILLEUR	Shimano Deore FD-M617-D / side swing
SHIFTERS	Shimano Deore SL-M610 / Rapidfire Plus 2 way release/gear indicator
BRAKES	Shimano M365 Disc 180mm F & R / SM-RT30 CL Rotor
CRANKSET	Shimano FC-M627-B2 / 2-piece Design 36x22 T
BB-SET	Shimano BB-MT500-PA / shell 41x89.5mm
HANDLEBAR	Syncros T-Bar / Alloy 6061 T shape Flat / 9° / 740mm

HANDLEBAR STEM	Syncros 6061 Alloy oversize 31.8mm / 11/8" / 6° angle
PEDALS	Wellgo M-21
SEATPOST	Syncros / 31.6x400mm
SEAT	Syncros XR2.5
HUB (FRONT)	Formula CL71 / 15x100mm
HUB (REAR)	Formula CT1702 / 141x5mm
CHAIN	KMC X10
CASSETTE	Shimano CS-HG50-10 / 11-36 T
SPOKES	Stainless Black 15G / 1.8mm
RIMS	Syncros X-23 / 32H / Tubeless ready
TIRES	Maxxis Forekaster / 2.35 / 60TPI
WEIGHT	700 Series: Check website 900 Series: Check website

SPARK 700 PLUS TUNED

249553



AVAILABLE IN   PLUS

FRAME	Spark Plus Carbon / IMP technology / HMX BB92 / Carbon SMC Link / Carbon Plus swingarm SW dropouts for Boost 148x12mm / custom Chainguide	REAR DERAILEUR	Sram XX1 / Eagle 12 Speed	SEAT	Syncros XM1.0 / Carbon rails
FORK	FOX 34 Float Factory Air / Kashima FIT4 3-Modes with low speed adj. / 15x110mm QR axle tapered steerer / Reb. Adj. / Lockout / 130mm travel	FRONT DERAILEUR	SCOTT Chainguide	HUB (FRONT)	Syncros TR1.5 Plus CL / 15x110mm made by DT Swiss
REAR SHOCK	FOX NUDE Trunnion SCOTT custom w. travel / geo adj. 3 modes: Lockout - Traction Control - Descend DPS / EVOL / Kashima / Reb. Adj. Travel 120 - 85 - Lockout / 165x45mm	SHIFTERS	Sram XX1 Trigger	HUB (REAR)	Syncros TR1.5 CL / Boost 148x12mm RWS w/removable Lever / 36T Ratchet System / XD made by DT Swiss
REMOTE SYSTEM	SCOTT TwinLoc TSP Technology Suspension - Seatpost Remote below Bar / 3 modes / integ. Grip clamp	BRAKES	Sram Level Ultimate Disc 180mm F & R / Centerline CLX Rotor	CHAIN	Sram PCXX1 Eagle
HEADSET	Syncros FL1.5 Drop in / Tapered 1.5" - 1 1/8" T1 bearing diameter size 42mm and 52mm	CRANKSET	Sram XX1 Eagle GXP Boost PF Carbon crankarm QF 168 / 32T	CASSETTE	Sram XX1 / XG1299 / 10-50 T
		BB SET	Sram GXP PF integrated / shell 41x92mm	SPOKES	DT Swiss Aero Comp
		HANDLEBAR	Syncros FL1.0 Carbon mini Riser 12mm rise / 9° / 760mm / Syncros Pro lock-on grips	RIMS	Syncros TR1.5 Plus / 28H / 35mm Tubeless ready
		HANDLEBAR STEM	Syncros FL1.5 / Alloy 2014 integrated Spacer & Top Cup / 31.8mm / 6° / 11/8" Garmin mount	TIRES	Maxxis Rekon / 2.80 x 27.5 / 120TPI Kevlar Bead EXO / TR Tubeless ready Front: 3C Maxx Terra / Rear: 3C Maxx Speed
		SEATPOST	FOX Transfer Dropper Remote Kashima / 31.6mm / S100mm / M 125mm / L & XL 150mm	WEIGHT	Check website

SPARK 710 PLUS

249554



AVAILABLE IN  PLUS

FRAME	Spark Plus Carbon / IMP technology / HMF Mainframe BB92 / Alloy SL 6011 Plus swingarm SW DM dropouts for Boost 148x12mm	REAR DERAILEUR	Shimano XT RD-M8000 SGS DM / Shadow Plus / 22 Speed	SEATPOST	FOX Transfer Dropper Remote 31.6mm / S100mm / M 125mm / L & XL 150mm
FORK	FOX 34 Float Performance Elite Air FIT4 3-Modes with low speed adj. / 15x110mm QR axle tapered steerer / Reb. Adj. / Lockout / 130mm travel	FRONT DERAILEUR	Shimano XT FD-M8020-D / side swing	SEAT	Syncros XM1.5 / Titanium rails
REAR SHOCK	FOX NUDE Trunnion SCOTT custom w. travel / geo adj. 3 modes: Lockout - Traction Control - Descend DPS / EVOL / Reb. Adj. Travel 120 - 85 - Lockout / 165x45mm	SHIFTERS	Shimano XT SL-M8000-1 / Rapidfire Plus 2 way release / Spec 2 clamp	HUB (FRONT)	Syncros TR2.0 Plus CL / 15x110mm made by DT Swiss
REMOTE SYSTEM	SCOTT TwinLoc Remote Technology 3 modes front and rear / integ. Grip clamp	BRAKES	Shimano XT M8000 Disc 180mm F & R / SM-RT64 CL Rotor	HUB (REAR)	Syncros TR2.0 Plus CL / Boost 148x12mm RWS axle / made by DT Swiss
HEADSET	Syncros FL2.0 Drop in / Tapered 1.5" - 1 1/8" bearing diameter size 42mm and 52mm	CRANKSET	Shimano XT FC-M8000-B2 / Hollowtech 2 34x24 T	CHAIN	Shimano CN-HG601
		BB SET	Shimano SM-BB71-41A / shell 41x92mm	CASSETTE	Shimano XT CS-M8000 / 11-42 T
		HANDLEBAR	Syncros FL1.5 mini Riser / Alloy 7050D.B. 12mm rise / 9° / 760mm	SPOKES	DT Swiss Competition 2.0-1.8-2.0 Black
		HANDLEBAR STEM	Syncros FL1.5 / Alloy 2014 integrated Spacer & Top Cup / 31.8mm / 6° / 11/8"	RIMS	Syncros TR2.0 Plus / 28H / 35mm Tubeless ready
		SEATPOST	FOX Transfer Dropper Remote Kashima / 31.6mm / S100mm / M 125mm / L & XL 150mm	TIRES	Maxxis Rekon / 2.80 x 27.5 / 120TPI Kevlar Bead EXO / TR Tubeless ready Front: 3C Maxx Terra / Rear: 3C Maxx Speed
		SEAT	Syncros XM1.5 / Carbon rails	WEIGHT	Check website

SPARK 720 PLUS

249555



AVAILABLE IN 

FRAME Spark Plus Alloy SL 6011 custom butted Hydroformed tubes tapered Headtube / BB92 / DM hanger dropouts for 148x12mm	HEADSET Syncros Pro Press Fit / Tapered 1.5" - 1 1/8" OD 50/61mm / ID 44/55mm	SEAT Syncros XM2.0 / CROM rails
FORK FOX 34 Float Performance Air Grip 3 / 3-Modes / 15x110mm QR axle / tapered steerer Reb. Adj. / Lockout / 130mm travel	REAR DERAILLEUR Sram GX1 / 11 Speed	HUB (FRONT) Syncros 3.0 Plus / TC-711 / 15x110mm made by Formula
REAR SHOCK FOX NUDE Trunnion SCOTT custom w. travel / geo adj. 3 modes: Lockout - Traction Control - Descend DPS / EVOL / Reb. Adj. Travel 120 - 85 - Lockout / 165x45mm	SHIFTERS Sram GX1 Trigger	HUB (REAR) Syncros 3.0 Plus / TC-14811 / Boost 148x12mm RWS axle / XD / made by Formula
REMOTE SYSTEM SCOTT TwinLoc TSP Technology Suspension - Seatpost: Remote below Bar / 3 modes / integ. Grip clamp	BRAKES Shimano M615 Disc 180mm F & R / SM-RT64 CL Rotor	CHAIN Sram CN-PC1110
	CRANKSET Sram Custom GX1 GXP Boost PF 30T	CASSETTE Sram XG1150 / 10-42 T
	BB-SET Sram GXP PF integrated / shell 41x92mm	SPOKES Xero Forza / 2.0 Black / Nyloc
	HANDLEBAR Syncros FL1.5 mini Riser / Alloy 7050D.B. 12mm rise / 9° / 760mm Syncros Pro lock-on grips	RIMS Syncros 3.0 Plus / 28H / 35mm Tubeless ready
	HANDLEBAR STEM Syncros FL2.0 / 60/61 Alloy 6° / integrated Top Cup / 31.8mm / 11/8"	TIRES Maxxis Rekon / 2.80 x 27.5 / 120TPI Kevlar Bead EXO / TR Tubeless ready Front: 3C Maxx Terra / Rear: 3C Maxx Speed
	SEATPOST FOX Transfer Dropper Remote 31.6mm / S 100mm / M 125mm / L & XL 150mm	WEIGHT Check website

SPARK 730 PLUS

249556



AVAILABLE IN 

FRAME Spark Plus Alloy SL 6011 custom butted Hydroformed tubes tapered Headtube / BB92 / DM hanger dropouts for 148x12mm	REAR DERAILLEUR Shimano SLX RD-M7000-10 SGS Shadow Type / 20 Speed	SEAT Syncros XM2.5
FORK Rock Shox Sektor RL Solo Air 15x110mm QR axle / Tapered Steerer Reb. Adj. / Lockout / 130mm travel	FRONT DERAILLEUR Shimano Deore FD-M617-D / side swing	HUB (FRONT) Shimano HB-M618-B CL / 15x110mm
REAR SHOCK X-Fusion NUDE Trunnion SCOTT custom w. travel / geo adj. 3 modes: Lockout - Traction Control - Descend Reb. Adj. Travel 120 - 85 - Lockout / 165x45mm	SHIFTERS Shimano Deore SL-M610 / Rapidfire Plus 2 way release w/gear indicator	HUB (REAR) Shimano FH-M618-B CL / Boost 148x12mm RWS axle
REMOTE SYSTEM SCOTT TwinLoc Remote Technology 3 modes	BRAKES Shimano M365 Disc 180mm F & R / SM-RT30 CL Rotor	CHAIN KMC X10
HEADSET Syncros OE Press Fit / Tapered 1.5" - 1 1/8" OD 50/61mm / ID 44/55mm	CRANKSET Shimano FC-M627-B2 / 2-piece Design 36x22 T	CASSETTE Shimano CS-HG50-10 / 11-36 T
	BB-SET Shimano BB-MT500-PA / shell 41x92mm	SPOKES Stainless Black 15G / 1.8mm
	HANDLEBAR Syncros FL2.0 mini Riser / Alloy 6061D.B. 12mm rise / 9° / 740mm	RIMS Syncros X35 / 32H / 35mm Tubeless ready
	HANDLEBAR STEM Syncros 6061 Alloy oversize 31.8mm / 1 1/8" / 6° angle	TIRES Maxxis Rekon / 2.80 x 27.5 / 60TPI Kevlar Bead TR Tubeless ready Dual compound
	SEATPOST Syncros / 31.6x400mm	WEIGHT Check website

CONTESSA SPARK RC 700

249710



AVAILABLE IN 

FRAME	Spark RC Carbon / HMX / IMP technology 1x optimized / BB92 / Carbon SMC Link Carbon swingarm / SW dropouts for Boost 148x12mm TBC Trunnion box construction / custom Chainguide	REAR DERAILLEUR	Sram X01 / Eagle 12 Speed	SEATPOST	Syncros FL1.0 Carbon 10mm offset / 31.6mm
			SCOTT Chainguide		
FORK	FOX 32 SC Float Performance Elite Air FIT4 3-Modes with low speed adj. Kabolt 15x10mm QR axle tapered steerer / Lockout / Reb. Adj. 100mm travel	SHIFTERS	Sram X01 Eagle Trigger	SEAT	Syncros XR1.5 Women / Ti Rails
			Shimano XTR M9000 Disc		
REAR SHOCK	FOX NUDE Trunnion Contessa Custom Tune / w. travel geo adj. 3 modes: Lockout - Traction Control - Descend DPS / Reb. Adj. / Travel 100 - 70 - Lockout / 165x40mm	BRAKES	Shimano XTR M9000 Disc 180/F and 160/Rmm SM-RT81 CL IceTech Rotor	HUB (FRONT)	Syncros XR RC CL / 15x110mm made by DT Swiss
REMOTESYSTEM	SCOTT TwinLoc Technology / below Bar Remote 3 modes / integ. Grip clamp	CRANKSET	Sram X1 Eagle GXP Boost PF Carbon crankarm QF 168 / 32T	HUB (REAR)	Syncros XR RC CL / Boost 148x12mm RWS w/removable Lever / XD made by DT Swiss
HEADSET	Syncros FL1.5 Drop in / Tapered 1.5" - 1 1/8" Ti bearing diameter size 42mm and 52mm	BB-SET	Sram GXP PF integrated shell 41x92mm	CHAIN	Sram PCX01 Eagle
REAR DERAILLEUR		HANDLEBAR	Syncros FL1.0 SL Carbon T-Bar T shape flat / 9° / 700mm Syncros Women Pro Lock-On	CASSETTE	Sram X01 / XGI295 / 10-50 T
FRONT DERAILLEUR		HANDLEBAR STEM	Syncros FL1.5 integrated Spacer & Top Cup Alloy 2014 / 31.8mm / -6° / 1 1/8" Garmin mount	SPOKES	DT Swiss Aero Comp
HUB (FRONT)		RIMS		TIRES	Schwalbe Rocket Ron EVO / 2.25 127EPI Kevlar Bead / Tubeless Easy PaceStar compound
HUB (REAR)		WEIGHT			Check website

CONTESSA SPARK 700

249711



AVAILABLE IN 

FRAME	Spark 3 Carbon / IMP technology / HMF Mainframe BB92 / Alloy SL 6011 swingarm SW DM dropouts for Boost 148x12mm TBC Trunnion box construction	FRONT DERAILLEUR	Shimano XT FD-M8020-D / side swing	SEATPOST	FOX Transfer Dropper Remote 31.6mm / size 5100mm / M, L 125mm
FORK	FOX 34 Float Performance Elite Air FIT4 3-Modes with low speed adj. / 15x10mm QR axle tapered steerer / Reb. Adj. / Lockout / 120mm travel	SHIFTERS	Shimano XT SL-M8000-1 Rapidfire Plus / 2 way release I spec 2 clamp	SEAT	Syncros XR1.5 Women / Ti Rails
REAR SHOCK	FOX NUDE Trunnion Contessa Custom Tune / w. travel geo adj. 3 modes: Lockout - Traction Control - Descend DPS / EVOL / Reb. Adj. Travel 120 - 85 - Lockout / 165x45mm	BRAKES	Shimano XT M8000 Disc 180mm F & R / SM-RT64 CL Rotor	HUB (FRONT)	Syncros XR2.0 CL / 15x110mm made by DT Swiss
REMOTESYSTEM	SCOTT TwinLoc Remote Technology 3 modes / integ. Grip clamp	CRANKSET	Shimano XT FC-M8000-B2 Hollowtech II / 36x26 T	HUB (REAR)	Syncros XR2.0 CL / Boost 148x12mm RWS axle / made by DT Swiss
HEADSET	Syncros FL2.0 Drop in / Tapered 1.5" - 1 1/8" bearing diameter size 42mm and 52mm	BB-SET	Shimano SM-BB71-41A shell 41x92mm	CHAIN	Shimano CN-HG601
REAR DERAILLEUR		HANDLEBAR	Syncros FL1.5 T-Bar / Alloy 7050 D.B. T shape Flat / 9° / 720mm Syncros Women Pro Lock-On	CASSETTE	Shimano XT CS-M8000 / 11-42 T
FRONT DERAILLEUR		HANDLEBAR STEM	Syncros FL1.5 integrated Spacer & Top Cup Alloy 2014 / 31.8mm / 6° / 1 1/8"	SPOKES	DT Swiss Competition 2.0-1.8-2.0 Black
HUB (FRONT)		RIMS		TIRES	Maxxis Forekaster 2.35 / 120TPI Kevlar Bead / TR Tubeless Ready / EXO / 3C maxx speed
HUB (REAR)		WEIGHT			Check website

CONTESSA SPARK 710

249712



AVAILABLE IN 

FRAME	Spark 3 Carbon / IMP technology / HMF Mainframe BB92 / Alloy SL 6011 swingarm SW DM dropouts for Boost 148x12mm TBC Trunnion box construction
FORK	FOX 34 Float Performance Air Grip3 / 3-Modes / 15x110mm QR axle / tapered steerer Reb. Adj. / Lockout / 120mm travel
REARSHOCK	FOX NUDE Trunnion Contessa Custom Tune / w. travel geo adj. 3 modes: Lockout - Traction Control - Descend DPS / EVOL / Reb. Adj. Travel 120 - 85 - Lockout / 165x45mm
REMOTE SYSTEM	SCOTT TwinLoc Remote Technology 3 modes / integ. Grip clamp
HEADSET	Syncros Pro Drop in / Tapered 1.5" - 11/8" bearing diameter size 42mm and 52mm
REAR DERAILLEUR	Shimano XT RD-M8000 SGS DM / Shadow Plus / 22 Speed

FRONT DERAILLEUR	Shimano SLX FD-M7020-11D / side swing
SHIFTERS	Shimano SLX SL-M7000-11-I Rapidfire Plus / 2 way release I spec 2 clamp
BRAKES	Shimano SLX M7000 Disc 180mm F & R / SM-RT64 CL Rotor
CRANKSET	Shimano SLX FC-M7000-11-B2 Hollowtech II / 36x26 T
BB-SET	Shimano BB-MT500-PA shell 41x92mm
HANDLEBAR	Syncros FL1.5 T-Bar / Alloy 7050 D.B. T shape Flat / 9° / 720mm Syncros Women Pro Lock-On
HANDLEBAR STEM	Syncros FL1.5 integrated Spacer & Top Cup Alloy 2014 / 31.8mm / 6° / 11/8"

SEATPOST	FOX Transfer Dropper Remote 31.6mm / size S 100mm / M 125mm / L 150mm
SEAT	Syncros XR2.0 Women
HUB (FRONT)	Syncros XR2.5 CL / 15x110mm made by DT Swiss
HUB (REAR)	Syncros XR2.5 CL / Boost 148x12mm RWS axle / made by DT Swiss
CHAIN	KWC X11L
CASSETTE	Shimano SLX CS-M7000 / 11-42 T
SPOKES	DT Swiss Competition 2.0-1.8-2.0 Black
RIMS	Syncros XR2.5 28H / Tubeless ready
TIRES	Maxxis Forekaster 2.35 / 120TPI Kevlar Bead TR Tubeless Ready / EXO / 3C maxx speed
WEIGHT	Check website

CONTESSA SPARK 720

249713



AVAILABLE IN 

FRAME	Spark 3 Alloy SL 6011 custom butted Hydroformed tubes tapered Headtube / BB92 / DM hanger dropouts for 148x12mm
FORK	FOX 34 Float Performance Air Grip3 / 3-Modes / 15x110mm QR axle / tapered steerer Reb. Adj. / Lockout / 120mm travel
REARSHOCK	FOX NUDE Trunnion Contessa Custom Tune / w. travel geo adj. 3 modes: Lockout - Traction Control - Descend DPS / EVOL / Reb. Adj. Travel 120 - 85 - Lockout / 165x45mm
REMOTE SYSTEM	SCOTT TwinLoc Remote Technology 3 modes / integ. Grip clamp
HEADSET	Syncros Pro Press Fit / Tapered 1.5" - 11/8" OD 50/61mm / ID 44/55mm

REAR DERAILLEUR	Shimano XT RD-M8000 SGS DM / Shadow Plus / 22 Speed
FRONT DERAILLEUR	Shimano XT FD-M8020-D / side swing
SHIFTERS	Shimano XT SL-M8000-B-I Rapidfire Plus / 2 way release I spec 2 clamp
BRAKES	Shimano M615 Disc 180mm F & R / SM-RT64 CL Rotor
CRANKSET	Shimano XT FC-M8000-B2 Hollowtech II / 36x26 T
BB-SET	Shimano BB-MT500-PA shell 41x92mm
HANDLEBAR	Syncros FL2.0 T-Bar / Alloy 6061 T shape Flat / 9° / 720mm Syncros Women Pro Lock-On
HANDLEBAR STEM	Syncros FL2.0 Alloy 6061 / 6° / integrated Top Cup / 31.8mm / 11/8"

SEATPOST	FOX Transfer Dropper Remote 31.6mm / size S 100mm / M, L 125mm
SEAT	Syncros XR2.0 Women
HUB (FRONT)	Shimano HB-M618-B CL / 15x110mm
HUB (REAR)	Shimano FH-M618-B CL / Boost 12x148mm RWS axle
CHAIN	KWC X11L
CASSETTE	Shimano SLX CS-M7000 / 11-42 T
SPOKES	DT Swiss Champion Black 1.8mm
RIMS	Syncros X-23 32H / Tubeless ready
TIRES	Maxxis Forekaster 2.35 / 120TPI Kevlar Bead TR Tubeless Ready / EXO / 3C maxx speed
WEIGHT	Check website

* follows MY17 frame



AVAILABLE IN 

FRAME	Spark 3 Alloy SL 6011 custom butted Hydroformed tubes tapered Headtube / BB92 / DM hanger dropouts for 141x5mm
FORK	Rock Shox Recon Silver RL Solo Air 15x100mm QR axle / Tapered Steerer Reb. Adj. / Lockout / 120mm travel
REARSHOCK	X-Fusion NUDE Trunnion SCOTT custom w. travel / geo adj. 3 modes: Lockout - Traction Control -Descend Reb. Adj. Travel 120 - 85 - Lockout / 165X45mm
REMOTESYSTEM	SCOTT TwinLoc Remote Technology 3 modes
HEADSET	Syncros OE Press Fit / Tapered 1.5" - 11/8" OD 50/61mm / ID 44/55mm

REAR DERAILLEUR	Shimano SLX RD-M7000-10 SGS Shadow Plus / 20 Speed
FRONT DERAILLEUR	Shimano Deore FD-M617-D / side swing
SHIFTERS	Shimano Deore SL-M610 Rapidfire Plus / 2 way release w/gear indicator
BRAKES	Shimano M365 Disc 180mm F & R / SM-RT30 CL Rotor
CRANKSET	Shimano FC-M627-B2 2-piece Design / 36x22 T
BB-SET	Shimano BB-MT500-PA shell 41x89.5mm
HANDLEBAR	Syncros T-Bar / Alloy 6061 T shape Flat / 9° / 720mm Syncros Women Pro

HANDLEBARSTEM	Syncros 6061 Alloy oversize 31.8mm / 11/8" / 6°
PEDALS	Wellgo M-21
SEATPOST	Syncros / 31.6mm
SEAT	Syncros XR2.5 Women
HUB(FRONT)	Formula CL71 / 15x100mm
HUB(REAR)	Formula CT1702 / 141x5mm
CHAIN	KMC X10
CASSETTE	Shimano CS-HG50-10 / 11-36 T
SPOKES	Stainless Black 15G / 1.8mm
RIMS	Syncros X-23 32H / Tubeless ready
TIRES	Maxxis Forekaster 2.35 / 60TPI
WEIGHT	Check website



AVAILABLE IN 

FRAME	Spark Plus Carbon / IMP technology / HMF Mainframe BB92 / Alloy SL 6011 Plus swingarm SW DM dropouts for Boost 148x12mm
FORK	FOX 34 Float Performance Elite Air FIT4 3- Modes with low speed adj. / 15x110mm QR axle tapered steerer / Reb. Adj. / Lockout / 130mm travel
REARSHOCK	FOX NUDE Trunnion Contessa Custom Tune / w. travel geo adj. 3 modes: Lockout - Traction Control -Descend DPS / EVOL / Reb. Adj. Travel 120 - 85 - Lockout / 165X45mm
REMOTESYSTEM	SCOTT TwinLoc Remote Technology 3 modes / integ. Grip clamp
HEADSET	Syncros FL2.0 Drop in / Tapered 1.5" - 11/8" bearing diameter size 42mm and 52mm
REAR DERAILLEUR	Shimano XT RD-M8000 SGS DM / Shadow Plus / 22 Speed

FRONT DERAILLEUR	Shimano XT FD-M8020-D / side swing
SHIFTERS	Shimano XT SL-M8000-I Rapidfire Plus / 2 way release Ispec 2 clamp
BRAKES	Shimano XT M8000 Disc 180mm F & R / SM-RT64 CL Rotor
CRANKSET	Shimano XT FC-M8000-B2 Hollowtech II / 34x24 T
BB-SET	Shimano SM-BB71-41A shell 41x92mm
HANDLEBAR	Syncros FL1.5 mini Riser / Alloy 7050D.B. 12mm rise / 9° / 740mm Syncros Women Pro Lock-On
HANDLEBARSTEM	Syncros FL1.5 / Alloy 2014 integrated Spacer & Top Cup / 31.8mm / 6° / 11/8"
SEATPOST	FOX Transfer Dropper Remote 31.6mm / 5 size 100mm / M, L 150mm

SEAT	Syncros XR1.5 Women / Ti Rails
HUB(FRONT)	Syncros TR2.0 Plus CL / 15x110mm made by DT Swiss
HUB(REAR)	Syncros TR2.0 Plus CL / Boost 148x12mm RWS axle / made by DT Swiss
CHAIN	Shimano CN-HG601
CASSETTE	Shimano XT CS-M8000 / 11-42 T
SPOKES	DT Swiss Competition 2.0-1.8-2.0 Black
RIMS	Syncros XR2.0 Plus 28H / 35mm / Tubeless ready
TIRES	Maxxis Rekon 2.80 x 27.5 / 120TPI Kevlar Bead EXO / TR Tubeless ready Front: 3C Maxx Terra / Rear: 3C Maxx Speed
WEIGHT	Check website

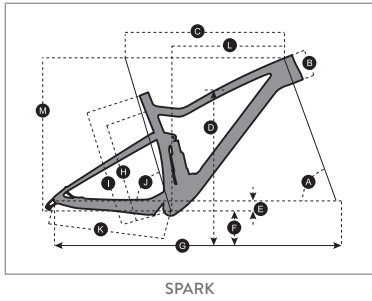


AVAILABLE IN 

FRAME	Spark Plus Alloy SL 6011 custom butted Hydroformed tubes tapered Headtube / BB92 / DM hanger dropouts for 148x12mm
FORK	FOX 34 Float Rhythm Grip3 / 3-Modes / 15x110mm QR axle / tapered steerer Reb. Adj. / Lockout / 130mm travel
REARSHOCK	FOX Float Trunnion Contessa Custom Tune w. travel / geo adj. 3 modes: Lockout - Traction Control - Descend DPS / Reb. Adj. Travel 120 - 85 - Lockout / 165x45mm
REMOTE SYSTEM	SCOTT TwinLoc Remote Technology 3 modes / integ. Grip clamp
HEADSET	Syncros Pro Drop in / Tapered 1.5" - 1 1/8" bearing diameter size 42mm and 52mm

REAR DERAILLEUR	Shimano XT RD-M781 SGS DM / Shadow Plus / 10-Speed
FRONT DERAILLEUR	Shimano Deore FD-M617-D / side swing
SHIFTERS	Shimano Deore SL-M610 Rapidfire Plus / 2 way release w/gear indicator
BRAKES	Shimano M506 Disc 180 F & R / SM-RT54 CL Rotor
CRANKSET	Shimano Deore FC-M627-B2 2-piece Design / 36x22T
BB-SET	Shimano BB-MT500-PA shell 41x89.5mm
HANDLEBAR	Syncros FL2.0 mini Riser / Alloy 7050D.B. 12mm rise / 9° / 740mm Syncros Women Pro Lock-On
HANDLEBAR STEM	Syncros 6061 Alloy oversize 31.8mm / 1 1/8" / 6°

SEATPOST	Syncros Dropper 2.0 / YSP12 ICR / Remote 31.6mm / S size 100mm / M, L 120mm
SEAT	Syncros XR2.5 Women
HUB (FRONT)	Shimano HB-M618-B CL / 15x110mm
HUB (REAR)	Shimano FH-M618-B CL / Boost 12x148mm RWS axle
CHAIN	KMC X10
CASSETTE	Shimano CS-HG50-10 / 11-36 T
SPOKES	Stainless Black 15G / 1.8mm
RIMS	Syncros X35 / 32H / 35mm Tubeless ready
TIRES	Maxxis Rekon 2.80 x 27.5 / 60TPI Kevlar Bead TR Tubeless ready Dual compound
WEIGHT	Check website

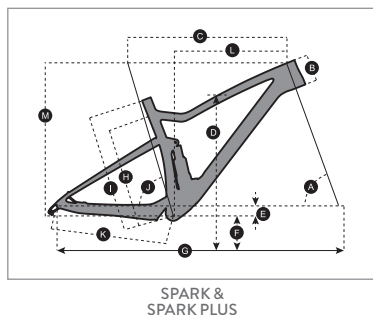


SPARK 900 RC: SL, ULTIMATE, WORLD CUP, PRO

	S		M		L		XL	
A HEAD TUBE ANGLE	68.5°		68.5°		68.5°		68.5°	
B HEAD TUBE LENGTH	95.0 mm	3.7 in	95.0 mm	3.7 in	105.0 mm	4.1 in	115.0 mm	4.5 in
C TOP TUBE HORIZONTAL	570.0 mm	22.4 in	600.0 mm	23.6 in	630.0 mm	24.8 in	650.0 mm	25.6 in
D STANDOVER HEIGHT								
E BB OFFSET	-50.5 mm	-2.0 in	-50.5 mm	-2.0 in	-50.5 mm	-2.0 in	-50.5 mm	-2.0 in
F BB HEIGHT	319.5 mm	12.6 in	319.5 mm	12.6 in	319.5 mm	12.6 in	319.5 mm	12.6 in
G WHEEL BASE	1,097.7 mm	43.2 in	1,127.7 mm	44.4 in	1,158.6 mm	45.6 in	1,179.6 mm	46.4 in
H BB CENTER TO TOPTUBE CENTER								
I BB CENTER TO TOP OF SEATTUBE	410.0 mm	16.1 in	440.0 mm	17.3 in	490.0 mm	19.3 in	540.0 mm	21.3 in
J SEAT ANGLE	73.8°		73.8°		73.8°		73.8°	
K CHAINSTAY	435.0 mm	17.1 in	435.0 mm	17.1 in	435.0 mm	17.1 in	435.0 mm	17.1 in
L REACH	399.5 mm	15.7 in	429.5 mm	16.9 in	456.8 mm	18.0 in	474.1 mm	18.7 in
M STACK	586.9 mm	23.1 in	586.9 mm	23.1 in	596.2 mm	23.5 in	605.5 mm	23.8 in
N STEM LENGTH	60.0 mm	2.4 in	70.0 mm	2.8 in	80.0 mm	3.1 in	90.0 mm	3.5 in
O TRAIL	90.9 mm	3.6 in	90.9 mm	3.6 in	90.9 mm	3.6 in	90.9 mm	3.6 in

SPARK 700 RC: SL, ULTIMATE, WORLD CUP, PRO

	S		M		L	
A HEAD TUBE ANGLE	68.5°		68.5°		68.5°	
B HEAD TUBE LENGTH	95.0 mm	3.7 in	100.0 mm	3.9 in	110.0 mm	4.3 in
C TOP TUBE HORIZONTAL	570.0 mm	22.4 in	600.0 mm	23.6 in	625.0 mm	24.6 in
D STANDOVER HEIGHT						
E BB OFFSET	-34.0 mm	-1.3 in	-34.0 mm	-1.3 in	-34.0 mm	-1.3 in
F BB HEIGHT	317.5 mm	12.5 in	317.5 mm	12.5 in	317.5 mm	12.5 in
G WHEEL BASE	1,082.3 mm	42.6 in	1,112.8 mm	43.8 in	1,138.7 mm	44.8 in
H BB CENTER TO TOPTUBE CENTER	345.0 mm	13.6 in	375.0 mm	14.8 in	425.0 mm	16.7 in
I BB CENTER TO TOP OF SEATTUBE	410.0 mm	16.1 in	440.0 mm	17.3 in	490.0 mm	19.3 in
J SEAT ANGLE	73.5°		73.5°		73.5°	
K CHAINSTAY	425.0 mm	16.7 in	425.0 mm	16.7 in	425.0 mm	16.7 in
L REACH	403.9 mm	15.9 in	432.5 mm	17.0 in	454.8 mm	17.9 in
M STACK	560.8 mm	22.1 in	565.4 mm	22.3 in	574.7 mm	22.6 in
N STEM LENGTH	60.0 mm	2.4 in	70.0 mm	2.8 in	80.0 mm	3.1 in
O TRAIL	91.2 mm	3.6 in	91.2 mm	3.6 in	91.2 mm	3.6 in



SPARK: 900 ULTIMATE, 900 PREMIUM, 900, 910, 920, 930, 940, 945, 950, 960

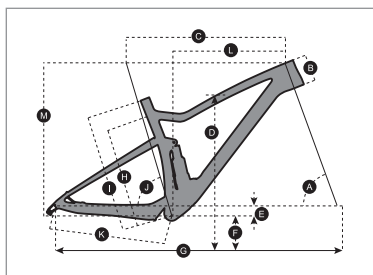
	S		M		L		XL	
A HEAD TUBE ANGLE	67.2°		67.2°		67.2°		67.2°	
B HEAD TUBE LENGTH	95.0 mm	3.7 in	95.0 mm	3.7 in	105.0 mm	4.1 in	115.0 mm	4.5 in
C TOP TUBE HORIZONTAL	575.0 mm	22.6 in	605.0 mm	23.8 in	635.0 mm	25.0 in	655.0 mm	25.8 in
D STANDOVER HEIGHT								
E BB OFFSET	-43.0 mm	-1.7 in	-43.0 mm	-1.7 in	-43.0 mm	-1.7 in	-43.0 mm	-1.7 in
F BB HEIGHT	327.0 mm	12.9 in	327.0 mm	12.9 in	327.0 mm	12.9 in	327.0 mm	12.9 in
G WHEEL BASE	1,121.6 mm	44.2 in	1,151.6 mm	45.3 in	1,182.8 mm	46.6 in	1,203.9 mm	47.4 in
H BB CENTER TO TOP TUBE CENTER	345.0 mm	13.6 in	375.0 mm	14.8 in	425.0 mm	16.7 in	475.0 mm	18.7 in
I BB CENTER TO TOP OF SEATTUBE	410.0 mm	16.1 in	440.0 mm	17.3 in	490.0 mm	19.3 in	540.0 mm	21.3 in
J SEAT ANGLE	73.8°		73.8°		73.8°		73.8°	
K CHAINSTAY	438.0 mm	17.2 in	438.0 mm	17.2 in	438.0 mm	17.2 in	438.0 mm	17.2 in
L REACH	402.7 mm	15.9 in	432.7 mm	17.0 in	460.0 mm	18.1 in	477.3 mm	18.8 in
M STACK	593.1 mm	23.4 in	593.1 mm	23.4 in	602.4 mm	23.7 in	611.6 mm	24.1 in
N STEM LENGTH	50.0 mm	2.0 in	60.0 mm	2.4 in	70.0 mm	2.8 in	80.0 mm	3.1 in
O TRAIL	100.2 mm	3.9 in	100.2 mm	3.9 in	100.2 mm	3.9 in	100.2 mm	3.9 in

SPARK: 700 ULTIMATE, 700 PREMIUM, 700, 710, 720, 730, 740, 745, 750, 760

	S		M		L	
A HEAD TUBE ANGLE	67.0°		67.0°		67.0°	
B HEAD TUBE LENGTH	100.0 mm	3.9 in	105.0 mm	4.1 in	115.0 mm	4.5 in
C TOP TUBE HORIZONTAL	575.0 mm	22.6 in	605.0 mm	23.8 in	635.0 mm	25.0 in
D STANDOVER HEIGHT						
E BB OFFSET	-26.0 mm	-1.0 in	-26.0 mm	-1.0 in	-26.0 mm	-1.0 in
F BB HEIGHT	325.5 mm	12.8 in	325.5 mm	12.8 in	325.5 mm	12.8 in
G WHEEL BASE	1,115.2 mm	43.9 in	1,145.8 mm	45.1 in	1,177.0 mm	46.3 in
H BB CENTER TO TOP TUBE CENTER	345.0 mm	13.6 in	375.0 mm	14.8 in	425.0 mm	16.7 in
I BB CENTER TO TOP OF SEATTUBE	410.0 mm	16.1 in	440.0 mm	17.3 in	490.0 mm	19.3 in
J SEAT ANGLE	73.8°		73.8°		73.8°	
K CHAINSTAY	428.0 mm	16.9 in	428.0 mm	16.9 in	428.0 mm	16.9 in
L REACH	409.7 mm	16.1 in	438.4 mm	17.3 in	465.7 mm	18.3 in
M STACK	568.9 mm	22.4 in	573.5 mm	22.6 in	582.7 mm	22.9 in
N STEM LENGTH	50.0 mm	2.0 in	60.0 mm	2.4 in	70.0 mm	2.8 in
O TRAIL	101.4 mm	4.0 in	101.4 mm	4.0 in	101.4 mm	4.0 in

SPARK PLUS: 700 TUNED, 710, 720, 730

	S		M		L		XL	
A HEAD TUBE ANGLE	66.9°		66.9°		66.9°		66.9°	
B HEAD TUBE LENGTH	95.0 mm	3.7 in	95.0 mm	3.7 in	105.0 mm	4.1 in	115.0 mm	4.5 in
C TOP TUBE HORIZONTAL	576.9 mm	22.7 in	607.0 mm	23.9 in	637.0 mm	25.1 in	657.0 mm	25.9 in
D STANDOVER HEIGHT								
E BB OFFSET	-36.0 mm	-1.4 in	-36.0 mm	-1.4 in	-36.0 mm	-1.4 in	-36.0 mm	-1.4 in
F BB HEIGHT	329.0 mm	13.0 in	329.0 mm	13.0 in	329.0 mm	13.0 in	329.0 mm	13.0 in
G WHEEL BASE	1,128.1 mm	44.4 in	1,158.1 mm	45.6 in	1,189.3 mm	46.8 in	1,210.5 mm	47.7 in
H BB CENTER TO TOP TUBE CENTER	345.0 mm	13.6 in	375.0 mm	14.8 in	425.0 mm	16.7 in	475.0 mm	18.7 in
I BB CENTER TO TOP OF SEATTUBE	410.0 mm	16.1 in	440.0 mm	17.3 in	490.0 mm	19.3 in	540.0 mm	21.3 in
J SEAT ANGLE	73.2°		73.2°		73.2°		73.2°	
K CHAINSTAY	438.0 mm	17.2 in	438.0 mm	17.2 in	438.0 mm	17.2 in	438.0 mm	17.2 in
L REACH	396.3 mm	15.6 in	426.4 mm	16.8 in	453.6 mm	17.9 in	470.9 mm	18.5 in
M STACK	598.1 mm	23.5 in	598.1 mm	23.5 in	607.3 mm	23.9 in	616.5 mm	24.3 in
N STEM LENGTH	50.0 mm	2.0 in	50.0 mm	2.0 in	60.0 mm	2.4 in	70.0 mm	2.8 in
O TRAIL	100.2 mm	3.9 in	100.2 mm	3.9 in	100.2 mm	3.9 in	100.2 mm	3.9 in



CONTESSA SPARK &
CONTESSA SPARK PLUS

CONTESSA SPARK: 700 RC

	S		M		L	
A HEAD TUBE ANGLE	68.5°		68.5°		68.5°	
B HEAD TUBE LENGTH	95.0 mm	3.7 in	100.0 mm	3.9 in	110.0 mm	4.3 in
C TOP TUBE HORIZONTAL	570.0 mm	22.4 in	600.0 mm	23.6 in	625.0 mm	24.6 in
D STANDOVER HEIGHT						
E BB OFFSET	-34.0 mm	-1.3 in	-34.0 mm	-1.3 in	-34.0 mm	-1.3 in
F BB HEIGHT	317.5 mm	12.5 in	317.5 mm	12.5 in	317.5 mm	12.5 in
G WHEEL BASE	1,082.3 mm	42.6 in	1,112.8 mm	43.8 in	1,138.7 mm	44.8 in
H BB CENTER TO TOP TUBE CENTER	345.0 mm	13.6 in	375.0 mm	14.8 in	425.0 mm	16.7 in
I BB CENTER TO TOP OF SEATTUBE	410.0 mm	16.1 in	440.0 mm	17.3 in	490.0 mm	19.3 in
J SEAT ANGLE	73.5°		73.5°		73.5°	
K CHAINSTAY	425.0 mm	16.7 in	425.0 mm	16.7 in	425.0 mm	16.7 in
L REACH	403.9 mm	15.9 in	432.5 mm	17.0 in	454.8 mm	17.9 in
M STACK	560.8 mm	22.1 in	565.4 mm	22.3 in	574.7 mm	22.6 in
N STEM LENGTH						
O TRAIL	91.2 mm	3.6 in	91.2 mm	3.6 in	91.2 mm	3.6 in

CONTESSA SPARK: 700, 710, 720, 730

	S		M		L	
A HEAD TUBE ANGLE	67.0°		67.0°		67.0°	
B HEAD TUBE LENGTH	100.0 mm	3.9 in	105.0 mm	4.1 in	115.0 mm	4.5 in
C TOP TUBE HORIZONTAL	575.0 mm	22.6 in	605.0 mm	23.8 in	635.0 mm	25.0 in
D STANDOVER HEIGHT						
E BB OFFSET	-26.0 mm	-1.0 in	-26.0 mm	-1.0 in	-26.0 mm	-1.0 in
F BB HEIGHT	325.5 mm	12.8 in	325.5 mm	12.8 in	325.5 mm	12.8 in
G WHEEL BASE	1,115.2 mm	43.9 in	1,145.8 mm	45.1 in	1,177.0 mm	46.3 in
H BB CENTER TO TOP TUBE CENTER	345.0 mm	13.6 in	375.0 mm	14.8 in	425.0 mm	16.7 in
I BB CENTER TO TOP OF SEATTUBE	410.0 mm	16.1 in	440.0 mm	17.3 in	490.0 mm	19.3 in
J SEAT ANGLE	73.8°		73.8°		73.8°	
K CHAINSTAY	428.0 mm	16.9 in	428.0 mm	16.9 in	428.0 mm	16.9 in
L REACH	409.7 mm	16.1 in	438.4 mm	17.3 in	465.7 mm	18.3 in
M STACK	568.9 mm	22.4 in	573.5 mm	22.6 in	582.7 mm	22.9 in
N STEM LENGTH	50.0 mm	2.0 in	60.0 mm	2.4 in	70.0 mm	2.8 in
O TRAIL	101.4 mm	4.0 in	101.4 mm	4.0 in	101.4 mm	4.0 in

CONTESSA SPARK PLUS: 710, 720

	S		M		L		XL	
A HEAD TUBE ANGLE	66.9°		66.9°		66.9°		66.9°	
B HEAD TUBE LENGTH	95.0 mm	3.7 in	95.0 mm	3.7 in	105.0 mm	4.1 in	115.0 mm	4.5 in
C TOP TUBE HORIZONTAL	576.9 mm	22.7 in	607.0 mm	23.9 in	637.0 mm	25.1 in	657.0 mm	25.9 in
D STANDOVER HEIGHT								
E BB OFFSET	-36.0 mm	-1.4 in	-36.0 mm	-1.4 in	-36.0 mm	-1.4 in	-36.0 mm	-1.4 in
F BB HEIGHT	329.0 mm	13.0 in	329.0 mm	13.0 in	329.0 mm	13.0 in	329.0 mm	13.0 in
G WHEEL BASE	1,128.1 mm	44.4 in	1,158.1 mm	45.6 in	1,189.3 mm	46.8 in	1,210.5 mm	47.7 in
H BB CENTER TO TOP TUBE CENTER	345.0 mm	13.6 in	375.0 mm	14.8 in	425.0 mm	16.7 in	475.0 mm	18.7 in
I BB CENTER TO TOP OF SEATTUBE	410.0 mm	16.1 in	440.0 mm	17.3 in	490.0 mm	19.3 in	540.0 mm	21.3 in
J SEAT ANGLE	73.2°		73.2°		73.2°		73.2°	
K CHAINSTAY	438.0 mm	17.2 in	438.0 mm	17.2 in	438.0 mm	17.2 in	438.0 mm	17.2 in
L REACH	396.3 mm	15.6 in	426.4 mm	16.8 in	453.6 mm	17.9 in	470.9 mm	18.5 in
M STACK	598.1 mm	23.5 in	598.1 mm	23.5 in	607.3 mm	23.9 in	616.5 mm	24.3 in
N STEM LENGTH	50.0 mm	2.0 in	50.0 mm	2.0 in	60.0 mm	2.4 in	70.0 mm	2.8 in
O TRAIL	100.2 mm	3.9 in	100.2 mm	3.9 in	100.2 mm	3.9 in	100.2 mm	3.9 in

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