



F929-E xCO

FEATURES		AVAILABILITY	NOTES	
Wheel	Standard	29er		
	Special	27.5"	custom on request	
Hub	Standard	Boost		
	Special	Predictive	custom on request	
Axle		QR15		
Axle Locking		BRIGHT RS Reverse side		
Architecture	Size	Wide 110		
	Functional	inverted		
Steerer Tube		Tapered std 1-1/8" - 1.5"		
Stanchions	Diameter	35 mm variable shape light section		
	Technology	CNC Machined Tube		
	Material	Aeronautic grade AA		
Outer Legs	Diameter	46 mm		
	Technology	Bright RS Special multy-layer composite	Hand crafted with special high pressure Bright RS process	
Crown	Material	Carbon Fiber/Kevlar Fiber/Aluminum Alloy	Aeronautical grade prepreg. Epoxy Matrix/Acrylic protection	
	Technology	CNC machined	increased fatigue resistance	
	Material	Aeronautical grade AA		
Crown to Axle (mm)	Geometry	Carved body		
	Travel 100	500		
	Travel 110	510		
	Travel 120	520		
Rotor Size (mm)	Standard	Ø 160		
	Optional	Ø 200	direct mounting on request	
	suggested	Ø160-180		
Weight		1630 g	complete suspension fork, using L=150 mm Steerer Tube. Tolerance +/-2% dry weight	
Guide Lubrication		automatic recycle in cavity sys		
Travel (mm)	Standard base	105		
	Adjustable	100 - 120	5 mm steps	
Cartridge system	Type	BRIGHT RACING SHOCKS ACAD technology	AUTOMATIVC High efficiency sealed hydraulic cartridge	
	Anticavitation and volume expansion control	Preloaded rigid diaphragm	High efficiency, no bladder technology	
	Outside Adjustments	Rebound/Compression Med-Low speeds/air pressure		
	Inside Adjustments	Negative/Progression/Sensitivity in low speeds/Lenght/Travel/Lockout max low	Tuning by BRIGHT RS on request	
	Negative phase control	BRIGHT RACING SHOCKS N.P.S. (Negative Phase Stabilizator)	Continuous negative phase controlling by a special valve system design.	
	Auto sensitive tunings	Rebound correction at the end run zone		A special carbon fiber valve control shaft, let the rebound flow adaptation when the system is overloaded.
		High speed reaction to end travel		A dedicated design of the chambers, let the system never meet the mechanical end run in compression phase, when it is well tuned.
	Remote control	Bright RS systems has no need to control step by step the locking and unlocking thanks to the ACAD CARTRIDGE Active/Automatic system. When a remote control is requested, it is a Bright RS genuine hydraulic control.		wide range Compression control , open, mid ranges and lock. When in lock position, SL system (Sensitive Lockout) is automatically working on the high load picks. See more about the special BRIGHT RS "SL system"



xCO version - Technologies

ELEMENT	Bright RS TECHNOLOGY	DESCRIPTION
Negative Chamber System	<u>N.P.S. System</u>	Negative Phase Stabilizator is a device, developed by BRIGHT RS in order to control the negative phase of the fork at the maximal extension. We definitely changed the concept of the negative chamber introducing a new stabilization system based on the oil viscosity. This system give you a great feeling when the fork is starting to work and allow a fluid stabilization.
Cartridge anti cavitation	<u>A.C.A.D. System</u>	Anti Cavitation Active Damper is the main technology in the BRIGHT RS Sealed Cartridge. This special manufactured solution guarantee high reactivity under high load and an ever-ready hydraulic response.
Frame Mechanical Stiffness	<u>A.M.A. Design</u>	Advanced Mechanical Architecture is the special design and technology, developed by BRIGHT RS in order to reach maximum stiffness, elasticity, mechanical response.
Alignment and Torsion Stability	<u>L.A.G.S. Technology</u>	is a guide system, already used in the Fimoco Engineering DH WC Series suspension forks and wide used in the top level motocross suspension forks which guarantee a very high stiffness. This guide architecture, combined to the special legs lamination and to the cnc machined crown, give a very high torsional stability. Usually, some break-in work is needed in this this guide system, in order to stabilize the friction because of his high contact architecture. The main feature is the very fluid function under the extreme frontal and lateral load, when the fork is under attack, over rocks and roots.
Locking Control	<u>S.L. System</u>	Sensitive Lockout is a BRIGHT RS native technology. This technology automatically manage the high loads on the compression unit when the fork is locked. The lock perception is continuously present. This special featureis developed exclusively by BRIGHT RS engineering.