



datasheets prodotto 2021

## F929-E NEXT

FEATURE		AVAILABILITY	NOTES
Wheel	Standard	29er - 27.5" Plus	
	Special	27,5"	on request, reduced travel
Hub	Standard	Boost	
	Special	Predictive	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	
	Technology	CNC Machined Tube	
	Material	Aeronautic grade AA	
Outer Legs	Diameter	49 mm	
	Technology	Bright RS Special multy-layer composite	Hand crafted with special high pressure Bright RS process
	Material	Carbon Fiber/Kevlar Fiber/Aluminum Alloy	Aeronautical grade prepreg. Matrix/Acrylic protection Epoxy
Crown	Technology	CNC machined	increased fatigue resistance
	Material	Aeronautical grade AA	
	Geometry	Carved body	
Crown to Axle (mm)	Travel 140	555	(static no man on the bike)
	Travel 150	565	(static no man on the bike)
	Travel 160	575	(static no man on the bike)
Rotor Size (mm)	Standard	∅ 200	
	Max	∅ 220	using adapter
	suggested	∅200	
Weight		2180 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	150 (equivalent 180)	base
	Adjustable on request	130 (equivalent 150) to 170 (equivalent 205)	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.



**NEXT version - Technologies**

ELEMENT	Bright RS TECHNOLOGY	DESCRIPTION
Negative Chamber System	<u><b>N.P.S. System</b></u>	<b>Negative Phase Stabilizator</b> 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><b>A.C.A.D. System</b></u>	<b>Anti Cavitation Active Damper</b> 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><b>A.M.A. Design</b></u>	<b>Advanced Mechanical Architecture</b> is the special design and technology, developed by BRIGHT RS in order to reach maximum stiffness, elasticity, mechanical response.
Alignement and Torsion Stability	<u><b>L.A.G.S. Technology</b></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.