

NINER'S NEWEST FULL SUSPENSION MODEL
WITH 100MM OF PATENTED CVA™ SUSPENSION



JET 9 RDO



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THE BIG REVOLUTION

DESCRIPTION: JET 9 RDO



- CARBON FULL SUSPENSION FROM THE ONLY 29ER ONLY MOUNTAIN BIKE COMPANY
- PATENTED CVA™ SUSPENSION IS EFFICIENT IN EVERY CHAINRING. YOU WON'T FIND THIS DESIGN ON OTHER BIKES.
- 100MM OF RACE-READY REAR SUSPENSION
- COMPATIBLE WITH 100 - 120MM TAPERED FORKS
- CUSTOM VALVED FOX FLOAT RP23 WITH KASHIMA COATING
- CUSTOM FORGED SUSPENSION LINKAGE AND UNIQUE NINER SUSPENSION HARDWARE
- INTERNAL CABLE ROUTING
- PRECISE ALLOY HARDWARE INTERFACES FOR BRAKES AND DERAILLEURS (DIRECT MOUNT FRONT DER)



Introducing the Jet 9 Carbon, Niner's first carbon full suspension frame. The swooping curves and strong lines of this frame began with testing data based on our own and competitor's products - helping us to determine baseline tube shapes and thicknesses for best performance. Applied to a set of design parameters, this data also drove our targets for strength, stiffness and damping characteristics. The result - an aesthetically striking form whose curves are functionally derived.

Next, we employ the data referenced above in our robust R&D program - computer modeling, physical prototype testing (both in-house and at independent testing facilities), and hours of ride testing under our 10 highly skilled and abusive test riders. This aggressive approach helps us to produce a carbon monocoque frame that far exceeds CEN safety standards and for which we are proud to offer our C5 Carbon Warranty (five years).

The Jet 9 Carbon features Niner's patented CVA™ suspension (U.S. Patent No. 7,934,739). For those seeking the advantages of 29" wheels combined with pedaling efficiency across all chainrings, CVA™ is an obvious front-runner. On the Jet 9 Carbon, this climbing benefit, combined with the small bump compliance of a system with no chain growth, means you ride faster and smoother - perfect for a carbon full suspension speedster.

Custom forged linkages contribute to the stellar performance of the Jet 9 Carbon - preserving power transfer through the entire system. Additionally, all linkage pivots are outfitted with Enduro brand full complement sealed cartridge bearings for a smooth, friction-free suspension.

Speaking of friction free - the Jet 9 Carbon is spec'd with a custom-valved Fox Float RP 23 with Kashima coating. This silky smooth coating fills microscopic surface inconsistencies for less stiction and better response to terrain.

The looks may attract your eye, and the CVA™ suspension may appeal to your intellectual side, but the design features of the Jet 9 Carbon will convince the luxury lover in you to take the plunge. This frame features internal cable routing for a clean look (including routing for your height adjustable post), precise alloy hardware interfaces for headset, bottom bracket and brakes and post mount disc-brake mounts for weight savings and good looks.

The Jet 9 RDO features our C5 warranty – We maintain that our carbon fiber testing and design rivals the best in the bike industry. Rather than just talking about it, we choose to demonstrate this commitment via our 5 year warranty and commitment to customer service.



GEOMETRY & SPECIFICATIONS: JET 9 RDO



JET 9 RDO	TT LENGTH 100/120*	SEAT TUBE LENGTH	CHAINSTAY LENGTH	FRONT CENTER 100/120*	WHEELBASE 100/120*	BB DROP 100/120*	HEAD TUBE LENGTH	HEAD TUBE ANGLE 100/120*	SEAT TUBE ANGLE 100/120*	STANDOVER HEIGHT 100/120*
Small (inches)	22.7 / 22.9	16	17.9	25.7 / 25.9	43.5 / 43.8	1.4 / 1.1	4.3	71 / 70	74 / 73	27.2 / 27.4
Small (mm)	578 / 581	406	455	652 / 658	1105 / 1111	35 / 27	110	71 / 70	74 / 73	690 / 695
Medium (inches)	23.4 / 23.6	18.0	17.9	26.1 / 26.3	43.9 / 44.2	1.4 / 1.1	4.7	71.5 / 70.5	74 / 73	28.2 / 28.4
Medium (mm)	595 / 599	457	455	663 / 669	1116 / 1123	35 / 27	120	71.5 / 70.5	74 / 73	715 / 722
Large (inches)	24.2 / 24.4	20.0	17.9	27.1 / 27.3	44.9 / 45.2	1.4 / 1.1	5.1	71.5 / 70.5	74.5 / 73.5	29.0 / 29.3
Large (mm)	615 / 619	508	455	689 / 694	1141 / 1148	35 / 28	130	71.5 / 70.5	74.5 / 73.5	736 / 745
XL (inches)	25.0 / 25.2	22.0	17.9	27.9 / 28.1	45.7 / 46.0	1.4 / 1.1	5.7	71.5 / 70.5	74.5 / 73.5	30.1 / 30.4
XL (mm)	635 / 639	559	455	708 / 714	1161 / 1168	35 / 28	145	71.5 / 70.5	74.5 / 73.5	766 / 773

* Measurements are shown as they would be with either an 100mm or 120mm travel fork. This is to help you take into account how fork length affects bike geometry.

SPECIFICATIONS & COMPATIBILITY:

- 31.6mm seatpost size, 400mm length recommended
- 34.9 seat collar size (not included)
- S3(low) Direct mount front derailleur, bottom pull
- 1.125"-1.5" taper head tube with "inset or zero stack" style headset, 44mm upper, 56mm lower (headset not included)
Cane Creek standard description: ZS44/28.6|ZS56/40
- Small, Medium, Large, and XL have one inner triangle bottle mount and one under the DT bottle mount. (Small size has limited inner triangle capacity, some bottles may not fit)

- Rear Triangle is 135mm QR rear spacing
- Shock Length: 7.5" (191mm)
- Shock Stroke: 2.00" (51mm)
- Shock hardware: 21.86mm x 6mm on both ends
- Eight sealed cartridge bearings, size6900
- Alloy Hardware
- Can fit up to a 2.5" tire (tire size varies by brand, some tires may not fit)
- Compatible with 2x systems from SRAM and SHIMANO, however certain gear sizes will not fit.
- SRAM recommended 2x front chainring configs: 26/39 or lower
- SHIMANO recommended 2x front chainring configs: 28/40
- Shock SAG 25% (which will move the o-ring 9mm down the shaft)



NINER & KASHIMA BY FOX

• THE JET 9 RDO COMES WITH A CUSTOM-VALVED FOX FLOAT RP23 WITH KASHIMA COATING

• KASHIMA COATING MAKES SUSPENSION FAR MORE RESPONSIVE TO SMALL HITS, REDUCING FATIGUE AND INCREASING RIDER SPEED

• KASHIMA COATED SUSPENSION IS FAR MORE DURABLE THAN STANDARD COATINGS. A KASHIMA COATED REAR SUSPENSION UNIT WILL LAST LONGER IN HARSH CONDITIONS THAN COMPARABLE NON-KASHIMA SUSPENSION UNITS.

Buttery-smooth, Genuine Kashima Coat is available only from FOX Racing Shox. Its distinctive gold color is backed by its high performance attributes—properties that provide an exceptionally smooth feel and extreme durability. The rear suspension advantage of Kashima coat is now available with Niner's flagship full suspension frame, the Jet 9 Carbon.

Used for years in the motorcycle and automotive industries, Kashima Coat technology is valued for its low-friction and wear resistance properties.

In the Kashima Coat process, lubricating molybdenum disulfide is deposited, via electrical induction, into the billions of micropores on the surface of hard-anodized aluminum. The distinctive gold colored, Kashima coated stanchions maintain better lubrication characteristics, and the lightweight aluminum components treated with Kashima Coat attain a level of hardness and abrasion resistance four times tougher than standard hard-anodized aluminum.

The result? Kashima coat leads to longer lasting suspension units, due to both better lubrication and better wear and tear resistance.

"Before we started using Kashima Coat, we'd been testing and racing on electroless nickel coated upper tubes during the past two seasons," explained FOX Racing Shox Mountain Bike Race Manager, Mark Fitzsimmons. "Although the friction properties were decent, the nickel's durability was not. The Kashima parts we raced on maintained the low friction requirements we were after and exhibited excellent durability — a very rare combination to find at the World Cup level with its wet and muddy conditions."

The molybdenum disulfide fills all of the micro-pores in the aluminum which greatly increases its friction coefficient and actually allows sliding parts to be run without oil. The Kashima Coat also gives the aluminum it coats a new hardness rating of HV 400, about 4x that of regular aluminum, helping to protect moving parts from surface scratches that can occur fairly easily with standard coatings. This means it can be used in applications that before required stainless steel.

Kashima provides most of the wear resistance and low friction properties of tinitriding, but does it in a very stable, repeatable and less expensive way, with none of the downside delamination/flaking issues associated with tinitriding aluminium and/or flex load applications. It is also more environmentally friendly.

Fox racers who had the opportunity to run these unique gold uppers in 2010 reported a noticeable increase in suspension performance due to the decreased friction that Kashima provides. Gee Atherton, Sabrina Jonnier, Justin Leov & Jared Graves were among the lucky few.

"When you are racing on the World Cup level, a huge percentage of races can be won or lost in the preparation of the bike — the seemingly small details that take the bike from good to excellent," said 2008 Downhill World Champion, Gee Atherton. "The Kashima coating made the forks so much more reactive to the small hits that I would normally feel on rough terrain. When the forks were skittering over tiny bumps they could soak up the impact much more quickly, without giving me so much feedback through the bars. That's a huge advantage on long courses."

Kashima coating wound up on quite a few podiums last world cup season, unbeknownst to most race fans. The biggest podium of all was at the World Championships, as Fox Supported rider Jared Graves rode his Fox 831 Fork to victory, and a set of rainbow stripes.

Most text courtesy Fox Racing Shox



