

# CARBONJACK

FULL ENDURO RACING WEAPON



**ANTIDOTE**

We have the pleasure of introducing to you our all-new **Carbonjack Enduro Frame**. The in-house design process makes this frame unique and, in our opinion better than anything else on the market! Building on the success of the previous model, the most obvious update are the 29" wheels but there's also a completely new design which shows our vision for the future and unique "**Golden Ratio Geometry**".

The new Carbonjack is faster, longer and slacker but the well-balanced geometry keeps it stable and fast on burly enduro trails. We believe our „**Golden Ratio Geometry**“ is the best overall geometry that we have ever designed. Why? Because the proportions between the front and rear triangles are most effective for the type of riding the carbonjack is designed for. Our special balance distribution between the „front center“ to „chainstay“ means better rider mass distribution, it doesn't matter whether you are climbing or descending. The new carbonjack geometry gives the rider confidence to progress.

The new carbonjack has a pedal friendly, effective 74,4 degree seat tube angle and 65 degree head tube angle. The geometry will be optimized with a 160 mm fork and a recommended 44 mm short offset. This allows for a longer "trail" measurement improving riding stability and translating into a more playful ride, greater confidence and added front tire in the corners.





CUSTOM, CARBON  
& VECTRAN LAYOUT

INNER CABLE ROUTING

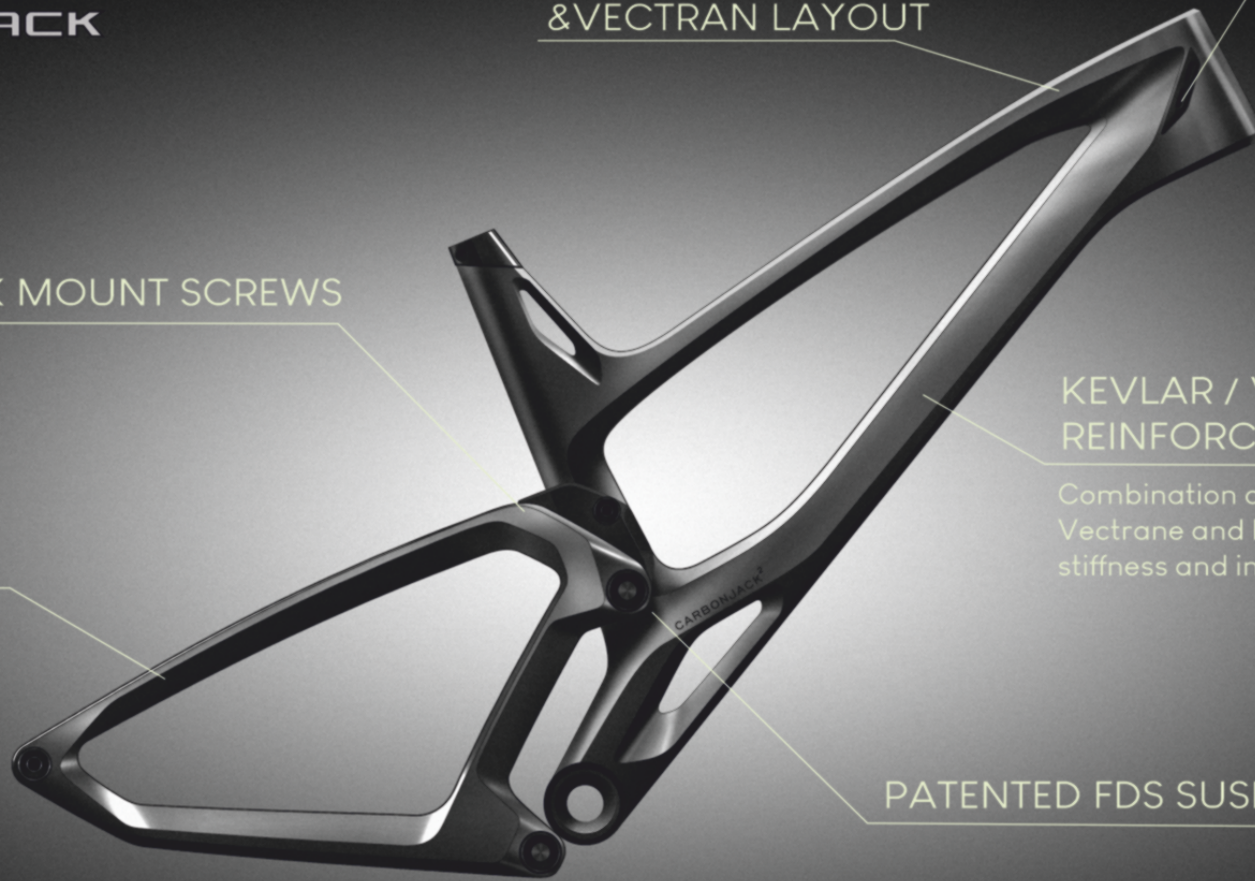
TITANIUM SHOCK MOUNT SCREWS

KEVLAR / VECTRAN  
REINFORCEMENT

Combination of highest quality carbon fibers,  
Vectrane and Kevlar, to enhance strength,  
stiffness and impact.

BOOST 148 MM

PATENTED FDS SUSPENSION



A close-up, low-angle shot of a bicycle frame, focusing on the carbon fiber weave. The frame is dark, with a prominent white cable running along its length. The background is dark, making the frame stand out. The text 'DESIGN HIGHLIGHTS' is positioned in the upper right corner, and a list of features follows. The brand name 'CARBONRACK' is visible in orange on the lower right side of the frame.

## DESIGN HIGHLIGHTS

- CUSTOM CARBON LAYUP
- GOLDEN RATIO GEOMETRY
- CARBON VECTRAN COMPOSITE
- MONOCOQUE FRONT TRIANGLE
- UNIQUE SIDEWAYS SHOCK ACCESS
- FDS DAMPING PLATFORM
- CARBON VECTRAN SWINGARM
- TITANIUM SCREWS
- WATER BOTTLE READY
- INTERNAL CABLE ROUTING
- SHOCK PROTECTION MUDGUARD
- HANDMADE IN POLAND

CARBONRACK

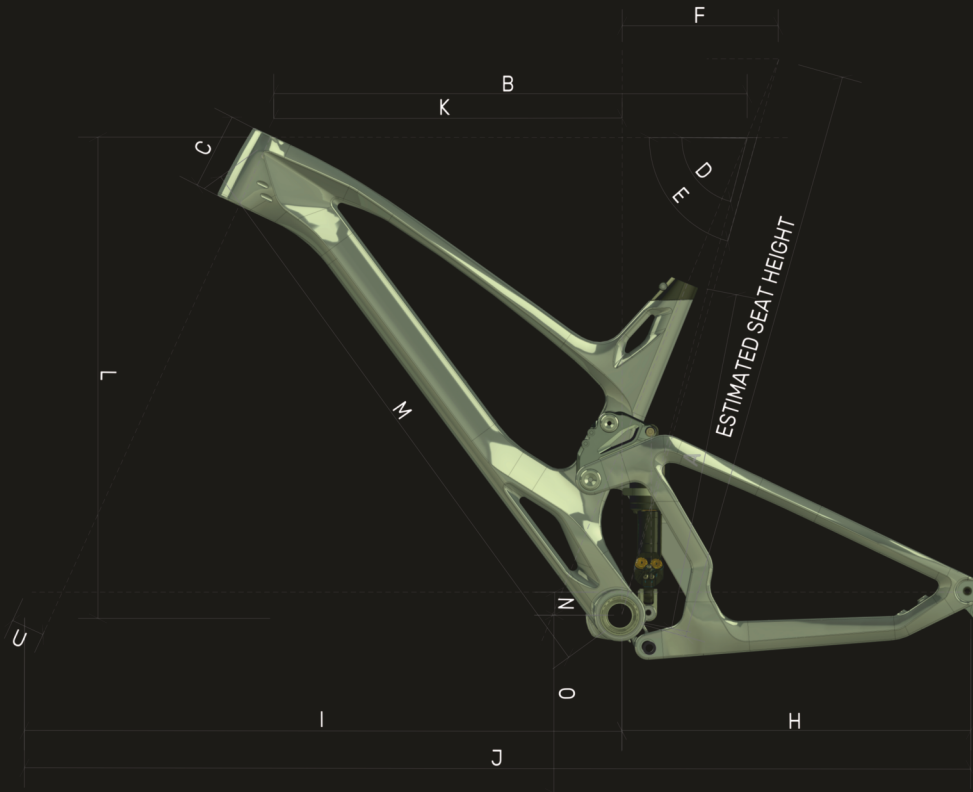


# SPECIFICATION

- WHEEL SIZE: 29"
- REAR TRAVEL 150 MM
- RECOMENDED FORK 160-170 MM
- FDS SUSPENSION
- 210X55 REAR SHOCK
- 12 X 148MM REAR SPACING
- THREADED BB OR PRESS FIT 92
- SEATPOST 30.9 MM
- 2.6" TIRE CLEARANCE
- SIZES: S, M, L, XL
- LIFETIME WARRANTY FOR FIRST OWNER



# GOLDEN RATIO GEOMETRY $\Psi$



Size		S	M	L	XL
Seat Tube Length	A	420 mm	440 mm	470 mm	500 mm
Top Tube Length Horizontal	B	590,5 mm	610,5 mm	641 mm	671,5 mm
Head Tube Length	C	100 mm	100 mm	115 mm	130 mm
Seat Tube Angle Horizontal	D	75,5°	75,5°	75,8°	76°
Seat Tube Angle Effective	E	74,9°	74,4°	74,4°	74,4°
Seat Tube Reach	F	183 mm	202 mm	214 mm	228 mm
Head Tube Angle	G	65°	65°	65°	65°
Chainstay Length	H	450 mm	450 mm	450 mm	450 mm
Front Center	I	753 mm	773 mm	809 mm	846 mm
Wheelbase	J	1203 mm	1223 mm	1259 mm	1293 mm
Reach	K	430 mm	450 mm	480 mm	510 mm
Stack	L	621 mm	621 mm	634 mm	824,5 mm
Spread	M	755 mm	766,6 mm	795,4 mm	648 mm
BB Drop	N	32 mm	32 mm	32 mm	32 mm
BB Height	O	344 mm	344 mm	344 mm	344 mm
Fork Offset	U	44 mm	44 mm	44 mm	44 mm
Estimated seat height		700 mm	750 mm	800 mm	850 mm

We believe our „Golden Ratio Geometry“ is the best overall geometry that we have ever designed. Why? Because the proportions between the front and rear triangles are most effective for the type of riding the Carbonjack is designed for. Our special balance distribution between the „Front Center“ to „Reach“ means better rider mass distribution, it doesn't matter whether you are climbing or descending. The new Carbonjack geometry gives the rider confidence to progress.

The new Carbonjack has a pedal friendly, effective 74,4 degree seat tube angle and 65 degree head tube angle. The geometry will be optimized with a 160 mm fork and a recommended 44 mm short offset. This allows for a longer "Trail" measurement improving riding stability and translating into a more playful ride, greater confidence and added front tire in the corners.

Overall, the new Carbonjack is faster, more stable but still playful. The frame will give you confidence to progress and take on new challenges on the trail.



# GOLDEN RATIO GEOMETRY $\psi$

Our special balance distribution between the „front center“ to „chainstay“ means better rider mass distribution, it doesn't matter whether you are climbing or descending. The new Carbonjack geometry gives the rider confidence to progress. The new Carbonjack has a pedal friendly, effective 74,4 degree seat tube angle and 65 degree head tube angle. The geometry will be optimized with a 160 mm fork and a recommended 44 mm short offset.



# FDS

FLOATING DAMPING SYSTEM

Equipped with 150 mm travel, slack geometry and short rear carbonjack gives the rider perfect balance while blasting down the trails. An upright seat tube angle and pedal efficient suspension makes climbing easy, giving you even more energy for fun parts!

Our floating damping system is patented. No shock mounts in the front triangle or swingarm means better stress distribution. A simple and effective suspension design with unique shock access combined with lightweight and aggressive geometry will improve your riding skills dramatically, before you realize it!

## FDS SUSPENSION

- PEDALLING EFFICIENCY WITH NO FEEDBACK
- SUPERB SMALL BUMP SENSITIVITY
- EXCELENT TRACTION DURING TECHNICAL CLIMBS
- PROGRESSION GIVING PLACE TO ABUSE EVEN ON DOWNHILL TRACKS
- INLINE SHOCK COMPRESSION

## UNIQUE SHOCK MOUNT

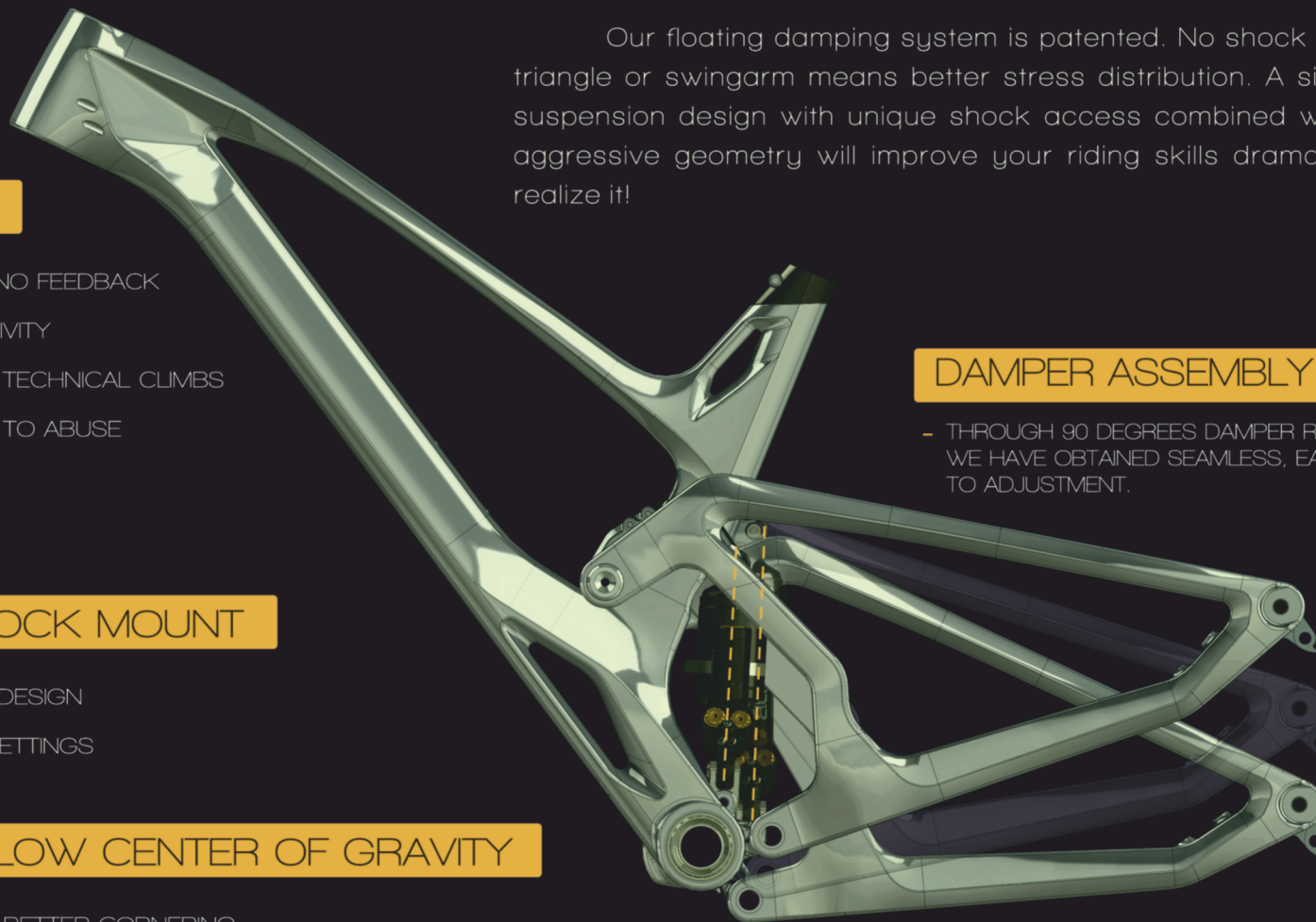
- FLOATING SHOCK DESIGN
- EASY ACCES TO SETTINGS

## LOW CENTER OF GRAVITY

- BETTER CORNERING
- MORE CONTROL ON GROUND AND IN THE AIR

## DAMPER ASSEMBLY

- THROUGH 90 DEGREES DAMPER ROTATION, WE HAVE OBTAINED SEAMLESS, EASY ACCESS TO ADJUSTMENT.





# ANTIDOTE

## WHO IS ANTIDOTE?

ANTIDOTE IS A SMALL BOUTIQUE COMPANY BASED IN THE SOUTH OF POLAND. BEHIND THE BRAND STAND A COUPLE OF FRIENDS WHO ARE DOWNHILL RACERS AND ENDURO ENTHUSIASTS. THEY ARE ALSO MAD KEEN ABOUT UNIQUE SUSPENSION SYSTEMS AND EXQUISITE DESIGN. THEY DEVELOP, PROTOTYPE, CUT MOLDS, ARRANGE CARBON FIBER PIECES AND PREPARING CUSTOM PAINTING – ALL IN-HOUSE WIDE KNOWLEDGE IN THE FIELD OF ENGINEERING, DESIGN, MATERIALS AND PRODUCTION ALLOWS THEM TO TURN THEIR BOLD VISIONS INTO STATE OF THE ART, HIGH PERFORMANCE MOUNTAINBIKE FRAMES, WHICH ARE DESIRABLE ACROSS THE WORLD.

FULL ANTIDOTE STORY: [HTTPS://ANTIDOTEBIKES.COM/ABOUT-ANTIDOTE/](https://antidotebikes.com/about-antidote/)



PLEASE KEEP EMBARGO FOR THIS INFORMATION TILL 02.03.2020

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