

# HOME BLOG RACE COMPANY SUPPORT store BIKES NOT BIKES DEALERS GALLERY

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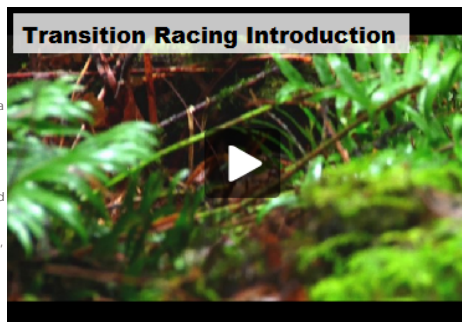


The TR450 is our dedicated downhill racing machine. Heavily researched and selected with direct input from pro rider Lars Sternberg, this is an aggressive geo built for speed and stability. With a careful ratio between chainstay length and head angle, the frame has a neutral feel in corners with good rider weight balance between the front and rear wheels. The TR450 gets 8.25" of travel from a 9.5" x 3" shock placed low in the front triangle. The linkage was tuned to provide a gradual change from beginning to ending leverage rate. The suspension ramps up very evenly through the travel to give the bike a supple top stroke and good bottom out control without excessive sag or mid stroke wallow. This result is a consistent progressive suspension feel that is predictable and yields a high amount of tunability.

There are large cartridge bearings at all pivot locations, with an absolute monster of a bearing used at the main pivot for durability and frame stiffness. All bearings are pressed directly against post welding machined bearing seats inside the linkages, eliminating misalignment that can occur when bearings placed at outer edges are "pinched" together. The overall suspension design was selected to keep the shock low in the frame, while still protecting the rear shock from tire roost. The pivot points have been laid out to triangulate loads and keep the rear end stiff, which helps keep the bearings turning smoothly, and your wheels tracking straight.

Custom tube shapes were developed and the downtube has a tooled reinforcement rather than a traditional weld on gusset. This thicker section reinforces the underside of the downtube/headtube junction without the stress riser created at the edge of a weld on gusset. The front triangle features double welding, which creates a thick but smooth weld and yields a significant increase in strength for high stress areas. The TR450 has a tapered headtube with an integrated Cane Creek size top bearing and standard 1.5" bottom intended to run a zero stack cup. The shape of the headtube better matches the toptube and downtube size and shape, and leaves plenty of clearance for fork crowns. The short headtube length gives riders lots of room for handlebar height adjustment and an aggressive low stance.

Mud shedding was a key concern in the design of the frame. Excessive pockets were avoided and many parts, like the dropouts and rear triangle yokes, are hollowed from the inside and smooth on the outside so mud won't collect in hard to reach places. The smooth aesthetic carries over into the lines of the frame. When viewed from the side, the linkage stays hidden from view right up to the sag point. This is a clean frame, any way you look at it. In the End, the TR450 was designed to be a bike that could be ridden hard and put away wet while being a dependable top level race bike you can trust race after race.



## FRAME FEATURES:

<b>REAR TRAVEL</b>	210mm (8.25") Rear Wheel Travel
<b>REAR SHOCK</b>	Fox DHX RC4 Coll 9.5" x 3" stroke
<b>FRAME MATERIAL</b>	6000 Series Heat Treated Aluminum
<b>SIZES</b>	Small, Medium, Large
<b>ADJUSTABLE GEOMETRY</b>	Adjustable Geometry via special geometry adjustment chip ("potato chip") inside the linkage.
<b>CURRENT COLORS</b>	
<b>FRAME WEIGHT</b>	9.5 lbs (without rear shock)
<b>COMPLETE BIKE WEIGHT</b>	38-40 lbs (Depending on Setup)
<b>WARRANTY</b>	1 year defect warranty, Lifetime crash replacement

## BUILD SPECS:

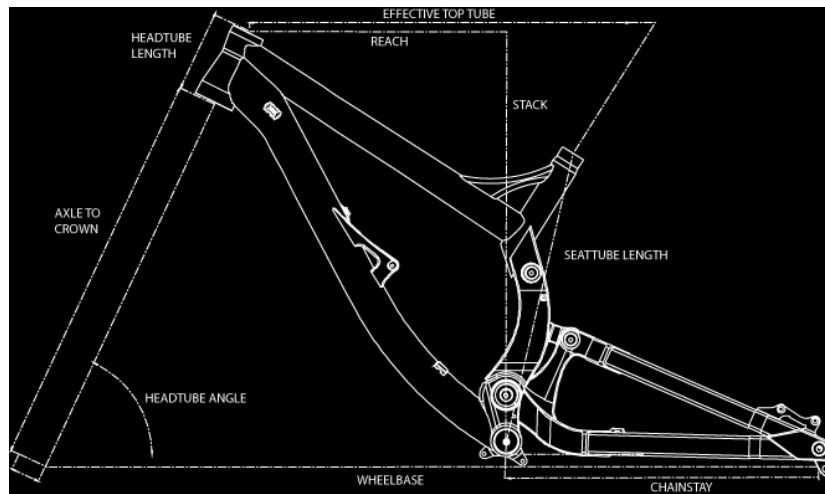
<b>SEATPOST</b>	31.6mm
<b>SEAT CLAMP</b>	34.9mm
<b>HEADTUBE</b>	1.5" Lower (deep cup compatible) / 1-1/8" Cane Creek Integrated Compatible (drop in bearing)
<b>BOTTOM BRACKET</b>	Euro 83mm
<b>REAR DROPOUT</b>	12 x 150mm thru axle Dropouts Standard
<b>BRAKE TABS</b>	International Standard
<b>CHAINGUIDE</b>	ISCG 05 Mounting Tabs
<b>SHOCK SPECS</b>	9.5" eye-to-eye x 3" stroke, Rear Pin 22.2mm x 8mm, Forward Pin 22.2mm x 8mm

## PRICING:

FRAME W/SHOCK	PRICE:
TR450 Frame with Fox Racing Shox - DHX RC4 COIL Rear Shock	\$2,541.00 CAD

COMPLETE BIKE W/PARTS KIT: TR450 <a href="#">VIEW SPEC</a>	PRICE:
Frame w/Shock + Parts Kit + Fox Racing Shox 40 RC2 FIT	\$5,302.00CAD



SIZING			
This is some general information as to what we typically recommend for finding the right size frame given your height.			
	SMALL	MEDIUM	LARGE
5'2" - 5'7"	X		
5'7" - 6'0"		X	
6'0" - 6'6"			X

GEOMETRY (573MM AXLE-CROWN)			
	SMALL	MEDIUM	LARGE
Reach (middle Geo setting)	366.22mm	391.62mm	417.02mm
Stack (middle Geo setting)	580.74mm		
Top Tube (Effective)	22.4"/568.96mm	23.4"/594.36mm	24.4"/619.76mm
Seat Tube (center to top)	16.5"/420mm		
Head Tube Angle	63°, 63.5°, 64° Adjustable		
ChainStay Length	17.5"/444.5mm		
Bottom Bracket Height	13.75", 14", 14.25" / 349.25mm, 355.6mm, 361.95mm Adjustable		
Wheelbase (middle Geo setting)	45.5"/1155.7mm	46.5"/1181.1mm	47.5"/1206.5mm
Head Tube Length	4.33"/110mm		
Max Rear Tire Clearance	26" x 3.0"		
Rear Hub Spacing	150mm		
Rear Dropout Axle Size	12mm		
Head Tube	Tapered 1.5" Lower / Cane Creek Integrated Top		
BB Shell Width	83mm		

