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KONA MOUNTAIN BIKES

Kona Mountain Bikes is based in Ferndale, Washington and Vancouver, BC. Recently, many riders and publications have discovered our local North Shore and Galbraith Mountain trails. While everybody thinks that they ride extreme trails, many would gape in disbelief down some of the near vertical, root entangled, mud slides to hell that we ride on every day. This may not be the best riding, but it is very brutal on equipment and riders. It is in these conditions that we evaluate frame design and components. The feeling is, if it works here, it should work anywhere.

The Kona name comes from our fascination with volcanic things. We're located on the Northern edge of the volcanic Cascade Mountain Range, which runs down the Pacific Coast from Canada to Southern California. The Hawaiian Islands are a volcanic chain, so the Kona name connection came along naturally.

Kona was founded in 1988 by long-time riders and racers who had previously worked for other pioneering West Coast mountain bike companies. The original Kona bicycles were custom machines based on our own preference in high-performance off-road bikes. This tradition of making thoughtful, reliable, well-balanced bicycles is still the cornerstone of the Kona way.

FRAME DESIGN

Kona is constantly evaluating and adjusting our frame designs as rider demands and technology change. Rather than re-inventing the mountain bike every season based on the latest trend, we choose to fine-tune our proven designs. While the sloping top tube design that we pioneered over 13 years ago has been largely imitated, we have continued to improve function with significant and subtle refinements. When advances in technology and manufacturing allowed us to produce full suspension frames, Kona incorporated all the benefits and enhancements of sloping top tube design.

DESIGN FEATURES

Over the years, Kona has earned a reputation for making bicycles that provide a stable, efficient and comfortable ride. This is how we do it:

1) Sloping Top Tube

- Long top tube provides more room for correct positioning and free body movement.
- Allows for more stand-over clearance, critical on dual suspension due to higher bottom bracket.
- Makes a vertically more compliant main frame that absorbs more shock than frames with horizontal top tubes.
- Puts rider in secure position for downhill sections.

2) Compact Rear Triangle

- 16.75" chain stays provide the perfect balance of stability and power transfer when out of the saddle.
- Shorter seat stays have less deflection during braking and accelerate quicker than longer stays.
- Kona custom butted rear stays make a rear triangle that gives the most efficient rear power transfer feasible.

3) Extended Seat Tube

• Custom external butting provides additional material to strengthen extended portion.
• Lower attachment of top tube has more stand-over, a more compliant frame and a compact rear triangle.
• Kona uses seat clamps that provide worry free locking power. Clamps are easy to replace if ever damaged, and eliminate the welded seat clamps which can distort the seat tube during fabrication.

4) Long Head Tube

• Provides stronger support at top tube and down tube intersection for suspension forks.
• Distributes shock better and prolongs headset bearing life.
• Stronger steering position improves balance and gives more control in rough terrain.

KONA DUAL SUSPENSION DESIGN FEATURES

Kona Active 4-Bar Linkage

Kona Active Suspension Frame Design is based around a 4-bar linkage system, used on all Kona dual suspension bikes. Key features include:

• Compact rear triangle for quick acceleration.
• Rectangular chain stays for higher rigidity and performance.
• Pivot locations cancel pedaling input on suspension.
• Cartridge bearing pivots for ultra plush ride.
• High torsional rigidity for ride performance & longer bearing life.
• Cold-forged swingarms, dropouts, yokes, head tubes & bottom brackets for high strength and durability.
• Custom-valved rear shocks by Fox Racing Shox.

Cross-Country Dual Suspension - king kikapu, mokomoko, manomano

Kona Cross-Country dual suspension bikes are suited for lightweight, cross-country trail performance. Frame without shock weighs less than 4.5 pounds. 2001 design has reduced weight without compromising strength or rigidity. Lightweight components are used throughout. The latest in Fox suspension shocks, FLOAT, with Air Negative function is featured for high efficiency. Not recommended for downhill racing, dual slalom, tricks or stunts. Not designed for double clamp suspension forks - warranty is voided.

• Active, rising rate design built around Fox rear shock.
• Leverage ratio of 2.25:1, produces 3.4" of rear wheel travel.
• Main chainstay pivot is located above the horizontal hub axle plane close to the bottom bracket, minimizing "pogo" effects caused by changes in the effective chainstay length. This pivot position helps eliminate pedaling forces from activating the suspension.
• Asymmetric chainstays with cold forged dropouts have replaceable derailleur hangers and I.S. disc mounts.
• Lightweight uni seat stays connect to cold forged swingarms.
• Cartridge bearing pivots on seat tube/rocker pivot and bottom bracket yoke reduces stiction.
• Custom valved Fox Vanilla R (Manomano), Fox FLOAT R (Mokomoko) and Fox FLOAT RC with lockout (King Kikapu).
• Made in 14", 15", 17", 18", 19", 20" sizes. Rear triangle is standard for all sizes.
• Manomano standard spring rates: 450 lbs (14"), 500 lbs (15"), 550 lbs (17"), 600 lbs (18"), 650 lbs (19"), 700 lbs (20").

Extreme Trails "Out Of Bounds" Dual Suspension – stinky primo, stinky dee-lux, stinky

Kona Out of Bounds dual suspension bikes are suited for extreme riding where steep sections predominate. Frame is designed for high strength and durability, using heavy-duty Kona Clump 7005 Aluminum tubing. Heavy-duty components and shocks are featured for maximum strength. Bikes are heavier than cross-country dual suspension, and are fitted with triple chainrings to allow for steep uphill riding. Double clamp forks are compatible.

- Active, rising rate design built around Fox shocks (7.9" eye to eye: 2.0" stroke).
- With a leverage ratio of 2.5:1, the rear wheel has 5" of travel.
- Main chainstay pivot is located above the horizontal hub axle plane close to the bottom bracket, minimizing "pogo" effects caused by changes in the effective chainstay length. This pivot position helps eliminate pedaling forces from activating the suspension
- Chainstays with cold forged dropouts connect to asymmetric chainstay yokes, have replaceable derailleur hangers and I.S. disc mounts
- Rectangular seat stays connect to a cold-forged yoke and cold forged swingarms
- Custom drawn Kona Clump tubing is rectangular at the head tube adding strength and torsional rigidity
- Cartridge bearing pivots on seat tube/swingarm pivot, seat stay yoke and bottom bracket yoke
- Custom tuned Fox Vanilla R (Stinky/ Stinky Dee-Lux) and Fox Vanilla RC (Stinky Primo)
- Made in 15", 17", 18", 19", 20" sizes. Rear triangle is standard for all sizes.

• Spring rates: 450 lbs (15”), 500 lbs (17”), 550 lbs (18”), 600 lbs (19”), 650 lbs (20”).

Dual Slalom – dudu

DuDu dual slalom bike has been designed with the input of Kona Ford Focus team rider Scott Beaumont. Designed for dual slalom racing, and fitted with a “Mr. Dirt” chainguide. Double clamp forks are compatible.

• Active, rising rate design built around Fox shocks (6.5” eye to eye: 1.5” stroke).
• With a leverage ratio of 2.75:1, the rear wheel has 4.1" of travel.
• Main chainstay pivot is located above the horizontal hub axle plane close to the bottom bracket, minimizing “pogo” effects caused by changes in the effective chainstay length. This pivot position helps eliminate pedaling forces from activating the suspension.
• Chainstays with cold forged dropouts connect to a cold forged yoke, have replaceable derailleur hangers and I.S. disc mounts.
• Rectangular seat stays connect to a cold forged yoke and cold-forged swingarms.
• Custom drawn Kona Clump tubing is rectangular at the head tube adding strength and torsional rigidity.
• Cartridge bearing pivots on seat tube/swingarm pivot, seat stay yoke and bottom bracket yoke.
• Custom tuned Fox Vanilla R shock
• Made in 15", 17", 18”, 19" sizes. Rear triangle is standard for all sizes.
• Spring rates: 600 lbs (15”), 700 lbs (17”), 800 lbs (18”), 900 lbs (19”).

Downhill Dual Suspension - stab primo, stab

Kona Downhill suspension frames are specifically designed for downhill riding and racing. They are strong enough to withstand the rigors of a World Cup Downhill season. Double clamp forks are recommended. Both models come with "Mr. Dirt" chainguides. The Stab is triple chainwheel compatible.

STAB PRIMO

- Rising rate design built around Fox shocks (8.75" eye to eye: 2.75" stroke).
- With a leverage ratio of 3.25:1, the rear wheel has 8.9" of travel.
- Adjustable rear dropouts allow 1" of wheelbase adjustment.
- 2001 geometry is better suited for increasing difficulty of World Cup DH courses.
- With pivots in ideal locations, pedal forces barely affect the rear shock, so that there is very little "squatting", "pogo-ing", "lockout" or chain stretch.
- Highly efficient design is active under all types of pedaling, gravity and braking forces.
- Swingarms, yokes, head tubes and bottom brackets are cold forged for rigidity and durability.
- Kona custom butted 7005 aluminum tubing is DH specific.
- Cartridge bearing pivots on seat tube/swingarm pivot, seat stay yoke and bottom bracket yoke.
- Custom valved Fox DH Vanilla RC shock.
- Made in small, medium and long. Rear triangle is standard for all sizes.
- Spring rates are: 500 lbs (Small), 600 lbs (Medium), 700 lbs (Large).

STAB

- Active, rising rate design built around Fox shocks (7.9" eye to eye: 2.0" stroke).
- With a leverage ratio of 3:1, the rear wheel has 6" of travel.

• Main chainstay pivot is located above the horizontal hub axle plane close to the bottom bracket, minimizing "pogo" effects caused by changes in the effective chainstay length. This pivot position helps eliminate pedaling forces from activating the suspension.
• Asymmetric chainstays with cold forged dropouts connect to asymmetric chainstay yokes, have replaceable derailleur hangers and I.S. disc mounts.
• Rectangular seat stays connect to a cold forged yoke and cold-forged swingarms.
• Custom drawn Kona Clump tubing is rectangular at the head tube adding strength and torsional rigidity.
• Cartridge bearing pivots on seat tube/ swingarm pivot, seat stay yoke and bottom bracket yoke.
• Custom tuned Fox Vanilla R shock
• Made in 15", 17", 18" sizes. Rear triangle is standard for all sizes.
• Spring rates: 500 lbs (15"), 550 lbs (17"), 600 lbs (18").

SERVICE NOTES FOR DUAL SUSPENSION

• While the 4-Bar linkage system is very torsionally rigid and requires less maintenance than a single pivot design, bearings and bushings will wear out. Bushing kits and replacement rear stays are available from Kona Mountain Bikes for all suspension frames.

• Cartridge bearings give the suspension a smoother ride. These bearings also require more attention than do bushings. Contaminated bearings can rust & seize, and cause frame damage. Regularly inspect the bearings and make sure that they allow the linkage to move freely.

NOTE: FOR FOX SHOCK TERMINOLOGY, FOX SHOCK MAINTENANCE SCHEDULE & FOX PUMP INSTRUCTIONS, REFER TO THE FOX OWNER'S MANUAL INCLUDED WITH YOUR KONA DUAL SUSPENSION BICYCLE OR GO TO:
WWW.FOXRACINGSHOX.COM

SET-UP NOTES FOR SUSPENSION *by Dr.Dew*

REAR SUSPENSION

Kona uses 7 different models of shocks on 2001 rear suspension models. These are made by FOX and include Vanilla R, Vanilla RC, Vanilla DH RC, FLOAT R and FLOAT RC. Fox FLOAT shocks are air sprung and have negative air that creates a more active initial stroke. Vanilla shocks are coil-over shocks, R, signifies the shock has external rebound adjustment. RC, signifies the shock has external rebound and compression adjustment. For any rear suspension bike it is necessary to adjust sag in order to get the best performance. Set-up is done best when you have someone that can help you.

1. Refer to chart to determine the eye to eye w/o rider measurement. This is the linear distance between the upper and lower bolts that attach the shock to the frame. Check to make sure that the bike has the correct length of shock.
2. Sit centered on the bike. Have an assistant measure the distance between the upper and lower shock mounting bolts (eye to eye w/rider sag). A good starting point is to match the measurement listed in the eye to eye w/rider sag column.
3. To increase the eye to eye measurement, add air pressure on Float shocks or tighten the pre-load spring on Vanilla shocks. To decrease the eye to eye measurement release air pressure (Float) or loosening the pre-load spring (Vanilla).
4. Repeat steps 2-3 until proper sag is achieved.

Rebound Adjustment (R)

Rebound is adjusted using the red clicker knob. It controls the speed

KONA RECOMMENDED REAR SUSPENSION SAG CHART - FOR SET-UP FOLLOW INSTRUCTIONS ON FACING PAGE

MODEL	EYE TO EYE W/O RIDER	SHOCK TRAVEL	WHEEL TRAVEL	EYE TO EYE W/RIDER
King Kikapu, Mokomoko, Manomano (Float RC, Float R, Vanilla R)	6.5" (165mm)	1.5" (38.1mm)	3.4" (86mm)	6.1" (155mm)
Stinky Primo, Stinky Dee-Lux, Stinky (Vanilla RC, Vanilla R, Vanilla R)	7.9" (200mm)	2" (50.8mm)	5" (126mm)	7.4" (187.3mm)
DuDu (Vanilla R)	6.5" (165mm)	1.5" (38.1mm)	4.1" (105mm)	6.1" (155mm)
Stab (Vanilla R)	7.9" (200mm)	2" (50.8mm)	6" (152.4mm)	7.4" (187.3mm)
Stab Primo (DH Vanilla RC)	8.75" (222mm)	2.75" (70mm)	8.4" (213mm) *short wheelbase	8" (204mm)

at which the shock returns after compression. There are 12 clicks for wide range of adjustment. Set rebound so the shock will return as fast as possible without pushing you off the saddle. During your first few rides experiment with the adjusters noting the setting. The proper setting is a personal preference depending on rider weight, style and riding conditions.

COMPRESSION ADJUSTMENT (RC)

Compression is adjusted using the blue clicker knob. It controls the speed at which the shock compresses through shock stroke. The shock offers a wide range of adjustment. Set rebound so the shock will return as fast as possible without pushing you off of the saddle. During your first few rides experiment with the adjusters noting the setting.

FRONT SUSPENSION

For 2001 Kona has used a variety of suspension forks. Travel ranges from 2" to 7" depending on the model. For any suspension fork you have to adjust sag in order to get the best performance. Fork makers suggest that the sag measures 25% of the total travel. Sag for suspension forks is best measured the following way:

1. Make sure that the stanchion protectors (dirt boots) won't interfere with your set-up. They can be removed or one can be zip strapped to the top of the stanchion tube right under the fork crown
2. Install a zip strap around the stanchion and slide it down until it makes contact with the dust seal located at the top of the fork leg.
3. Sit on the bike with your feet on the pedals. Prop yourself against a wall. Do not bounce on the pedals or the saddle.
4. Carefully get off of the bike without bouncing or compressing the suspension.
5. Measure the distance between zip strap and the black seal to get the sag. Decrease sag by increasing the forks pre-load (turn knobs clockwise) or increasing the forks air pressure, increase sag by decreasing pre-load (turn knobs counter clockwise) or decreasing the forks pressure. Refer to chart below for recommended sag.

KONA RECOMMENDED FRONT SUSPENSION SAG CHART - FOR SET-UP FOLLOW INSTRUCTIONS ON FACING PAGE

MODEL	FORK	SHOCK TRAVEL	RECOMMENDED SAG
Hula	RST 154	2" (50.8mm)	0.5" (12.7mm)
Fire Mountain	InSync 266	2.6" (65mm)	0.65" (16.3mm)
Blast	InSync 327	2.8" (70mm)	0.7" (17.5mm)
Lava Dome	Rock Shox JETT	2.6" (65mm)	0.65" (16.3mm)
NuNu	Rock Shox JETT	2.6" (65mm)	0.65" (16.3mm)
Cinder Cone	Rock Shox JUDY	3.1" (80mm)	0.78" (20mm)
Caldera	Marzocchi Bomber Z5 Coil	3.1" (80mm)	0.78" (20mm)
Muni-Mula	Marzocchi Bomber Z4 Coil	3.1" (80mm)	0.78" (20mm)
Pahoehoe	Marzocchi Bomber Z3 Coil	3.1" (80mm)	0.78" (20mm)
Kula	Marzocchi Atom Sport Air	3.1" (80mm)	0.78" (20mm)
Explosif	Rock Shox SID SL	3.1" (80mm)	0.78" (20mm)
Manomano	Rock Shox JUDY	3.1" (80mm)	0.78" (20mm)
Mokomoko	Rock Shox SID XC	3.1" (80mm)	0.78" (20mm)
King Kikapu	Rock Shox SID SL	3.1" (80mm)	0.78" (20mm)
Stuff	Marzocchi Z5 Coil	3.9" (100mm)	1" (25mm)
Roast	Marzocchi Z4 Coil	3.9" (100mm)	1" (25mm)
Chute	Marzocchi Z3 QR20 Plus Coil	3.9" (100mm)	1" (25mm)
Stinky	Marzocchi Z5 Coil	5.1" (130mm)	1.3" (32.5mm)
Stinky Dee-Lux	Marzocchi Z3 QR20 Plus Coil	5.1" (130mm)	1.3" (32.5mm)
Stinky Primo	Bomber 1 MCR QR20 Plus Coil	5.1" (130mm)	1.3" (32.5mm)
DuDu	Marzocchi Z3 QR20 Plus Coil	3.9" (100mm)	1" (25mm)
Stab	Marzocchi SuperT Pro Triple Coil	5.9" (150mm)	1.5" (37.5mm)
Stab Primo	Marzocchi Shiver WC DH Coil	7.5" (190mm)	1.9" (47.5mm)

FRAME MATERIALS
ALUMINUM

• Aluminum is light and fairly resistant to corrosion. Large diameter tubes provide the necessary stiffness required for off road performance. Reducing the wall thickness maintains the strength and keeps the weight down.

• The properties of aluminum improve when other materials are added to form an alloy. "The aluminum - magnesium - silicon 'system' is one of the most important in aluminum alloy metallurgy. The dissolving and precipitating of the compound magnesium silicide in the aluminum forms the basis of the 6000 series of aluminum alloys. Other elements such as copper, zinc and chromium are added to enhance the basic properties of the alloy." The higher percentage of silicon, magnesium and chromium differentiate 6061 from the weaker 6000 series alloys. The increased percentage of zinc helps make 7000 series aluminum the strongest of the aluminum alloys. With the increase in strength comes an increased difficulty in fabrication. The higher alloy content makes the material harder to manipulate and weld.

• Aluminum has a finite fatigue life. The more you work it, the greater the potential to have a failure. Knowing this, one of the main goals of a tubing fabricator is to develop processes to extend an aluminum tube's life while keeping the weight to a minimum. If you use a plain gauge tube that is thick enough for a strong weld area, the overall weight of the tube tends to be a little heavy. By butting the ends of the tube, a frame maker can have a thick

wall at the weld zones and a thinner wall in the middle of the tube away from weld zones. This reduces the weight of the frame. The typical transition zone between thick and thin material tends to be rather short. Because of this, stresses put on the frame tend to remain at the weld zones. The faster the stress is applied, the shorter the frame life. By equipping aluminum Konas with suspension forks, damaging vibrations and impacts are reduced at the head tube.

• Easton Ultralite tubing is not butted; it is tapered. Through a special technique, "Easton's cold-work process achieves an extreme differential between thick and thin wall tube sections - with a remarkably smooth transition." The large reduction in tubing material makes the frames light and responsive. The other major benefit of the tapering is that it helps distribute stress down the tubes length and not leave it concentrated at the weld zone.

• For 2001, Kona will continue to use Easton "Scandium" tubing. Originally developed by the USSR in the production of surface to air missiles, Scandium was the only material that had sufficient strength to withstand the shearing forces of penetrating the Polar Ice Cap. Scandium is similar in weight and ride to titanium, with a very high surface strength. Frames built with Scandium must be built very accurately as the frame cannot be aligned ("cold-set") after welding. The flexible and brittle nature of the material, and race-oriented function mean that warranty for frames built with Scandium Explosif is limited to one year.

Frame Design & Specifications – Aluminum Downhill & Dual Suspension

STAB PRIMO

Stab Primo is designed to withstand the rigors of World Cup Downhill racing. Adjustable wheelbase delivers up to 9" of rear wheel travel. Designed for 7" front travel. It is the strongest (and heaviest) frame that we make.

- Forged swingarms, chainstay yokes, seatstay yoke, head tube, bottom bracket.
- Forged replaceable adjustable dropouts.
- Head tube wrap gusset, DT gusset, seat tube gussets.
- Double clamp compatible.
- Cartridge bearing pivots.
- Chain guide system with I.S. guide mounts.
- Available as frame only, complete bike weighs 47.9 lbs (Medium).

Disc Mounts - International Standard
Seat Post - 30.0mm
Bottom Bracket - 68 x 110mm Solid
Head Set - 1-1/8"

STAB PRIMO		
TOP TUBE	Ø 44 x 1.8t	Round 7005
DOWN TUBE	Ø 46.8 x 2.3t	Egg Shaped 7005
SEAT TUBE	Ø 34.9 x 2.4t	Round 7005
HEAD TUBE	Ø 44 * Ø 33.95	Forged-machined 7005
SEAT STAYS	Ø 24/19 x 1.75t	Rectangular-tapered 7005
CHAIN STAYS	Ø 59/17 x 1.6t	Rectangular-tapered 7005

STAB

This bike is ideally suited as an extreme Out of Bounds mount and works with triple chainwheels. Six inches travel front and rear, it also works great as a privateer downhill bike.

- Forged swingarms, chainstay yokes, bottom bracket yoke, seatstay yoke, bottom bracket, head tube.
- Forged Clump dropouts with replaceable derailleur hanger.
- Seat tube gusset.
- Double clamp compatible.
- Cartridge bearing pivots.
- Chain guide system with I.S. guide mounts, triple chainwheel compatible.
- Available as frame only, complete bike weighs 39.9 lbs (18").

STAB		
TOP TUBE	Ø 54 x 2.2/1.15/1.5t	Rectangular-Round Kona Clump 7005
DOWN TUBE	Ø 62.5 x 2.4/1.2/1.5t	Rectangular-Round Kona Clump 7005
SEAT TUBE	Ø 34.9 x 2.4t	Round 7005
HEAD TUBE	Ø 44 * Ø 33.95	Forged-machined 7005
SEAT STAYS	Ø 24/19 x 1.75t	Rectangular-tapered 7005
CHAIN STAYS	Ø 45/17 x 1.6t	Rectangular-tapered 7005

Derailleur Hanger - H Style
Disc Mounts - International Standard
Seat Post - 30.0mm
Bottom Bracket - 68 x 113mm splined
Head Set - 1-1/8"

STINKY PRIMO, STINKY DEE-LUX, STINKY

Highly active and extremely plush "Out of Bounds" frame design, works with triple chainwheels. While these frames are suited for steep drop-offs and other types of rough terrain, they are not indestructible. Standard Kona Warranty applies to these and all Kona models.

• Forged swingarms, chainstay yokes, bottom bracket yoke, seatstay yoke, bottom bracket, head tube.
• Forged Clump dropouts with replaceable derailleur hanger.
• Seat tube gussets.
• Double clamp compatible.
• Cartridge bearing pivots.
• Available as frame only, complete bike weighs 35.9 lbs (Stinky18").

STINKY PRIMO, STINKY DEE-LUX, STINKY		
TOP TUBE	Ø 54 x 2.2/1.15/1.5t	Rectangular-Round Kona Clump 7005
DOWN TUBE	Ø 62.5 x 2.4/1.2/1.5t	Rectangular-Round Kona Clump 7005
SEAT TUBE	Ø 34.9 x 2.4t	Round 7005
HEAD TUBE	Ø 44 * Ø 33.95	Forged-machined 7005
SEAT STAYS	Ø 24/19 x 1.75t	Rectangular-tapered 7005
CHAIN STAYS	Ø 45/17 x 1.6t	Rectangular-tapered 7005

Derailleur Hanger - H Style
Disc Mounts - International Standard
Seat Post - 30.0mm
Bottom Bracket - 68 x 113mm splined
Head Set - 1-1/8"

DUDU

Dual Slalom design is approved by World Cup #3 dual slalom racer Scott "Boom-Boom" Beaumont.

- Forged swingarms, chainstay yoke, seatstay yoke, bottom bracket, head tube.
- Forged dropouts with replaceable derailleur hanger.
- Double clamp compatible.
- Cartridge bearing pivots.
- Chain guide system with I.S. guide mounts.
- Available as frame only, complete bike weighs 35.9 lbs (17").

DUDU		
TOP TUBE	Ø 54 x 2.2/1.15/1.5t	Rectangular-Round Kona Clump 7005
DOWN TUBE	Ø 62.5 x 2.4/1.2/1.5t	Rectangular-Round Kona Clump 7005
SEAT TUBE	Ø 34.9 x 2.4t	Round 7005
HEAD TUBE	Ø 44 * Ø 33.95	Forged-machined 7005
SEAT STAYS	Ø 24/19 x 1.75t	Rectangular-tapered 7005
CHAIN STAYS	LHS Ø 34/18 x 1.8t RHS Ø 34/18 x 1.7/1.1/1.3t	Rectangular-tapered 7005

Derailleur Hanger - H Style
Disc Mounts - International Standard
Seat Post - 30.0mm
Bottom Bracket - 68 x 113mm splined
Head Set - 1-1/8"

KING KIKAPU, MOKOMOKO

Our top of the line cross-country dual suspension model is designed for long-distance riding, performance and comfort. 2001 model has lighter frame, forks and components.

- Forged aluminum swingarms, chainstay yokes, seat tube pivot, bottom bracket, head tube.
- Forged dropouts with replaceable derailleur hanger.
- Cartridge bearing pivots.
- Available as frame only, complete bike weighs 24.5 lbs (King Kikapu 18").

KING KIKAPU, MOKOMOKO		
TOP TUBE	Ø 38.1 x 1.8/1.0/1.3t	Easton Ultralite Round-Oval 7005
DOWN TUBE	Ø 44.5 x 2.4/1.0/1.3t	Easton Ultralite Round-Oval 7005
SEAT TUBE	Ø 31.8 x 2.35/2.0t	Round 7005
HEAD TUBE	Ø 41 * Ø 33.95	Forged-machined 7005
SEAT STAYS	Ø 19 x 1.4t	Round 7005
CHAIN STAYS	Ø 29/17 x 1.7/0.9/1.4t	Rectangular 7005

Derailleur Hanger - H Style
Disc Mounts - International Standard
Seat Post - 27.0mm
Bottom Bracket - 68 x 113mm splined (KK)
- 68 x 110mm (Mokomoko)
Head Set - 1-1/8"

MANOMANO

Same design as Mokomoko / King Kikapu. Designed for long-distance riding, performance and comfort. 2001 model has lighter frame, forks and components.

- Forged aluminum swingarms, chainstay yokes, seat tube pivot, bottom bracket, head tube.
- Forged dropouts with replaceable derailleur hanger.
- Cartridge bearing pivots.
- Available as frame only, complete bike weighs 28.9 lbs (18").

MANOMANO		
TOP TUBE	Ø 38.1 x 1.8/0.85/1.4t	Round-Oval 7005
DOWN TUBE	Ø 44 x 2.4/1.0/1.3t	Bi-Oval 7005
SEAT TUBE	Ø 31.8 x 2.35/2.0t	Round 7005
HEAD TUBE	Ø 41 * Ø 33.95	Forged-machined 7005
SEAT STAYS	Ø 19 x 1.4t	Round 7005
CHAIN STAYS	Ø 29/17 x 1.7/0.9/1.4t	Rectangular 7005

Derailleur Hanger - H Style
Disc Mounts - International Standard
Seat Post - 27.0mm
Bottom Bracket - 68 x 110mm
Head Set - 1-1/8"

ALUMINUM CROSS-COUNTRY HARDTAIL MODELS

EXPLOSIF

Our lightest, limited production cross-country mountain bike frame, with a selection of lightweight components, designed for cross-country racing.

- Easton Scandium frame tubing & asymmetric butted rear stays.
- Forged bottom bracket, head tube
- Forged dropouts with replaceable derailleur hanger.
- Available as frame only, complete bike weighs 21.9 lbs (17").

EXPLOSIF		
TOP TUBE	Ø 38.1/34.9 x 1.1/0.7/1.3t	Easton Scandium 7000
DOWN TUBE	Ø 62.5 x 2.4/1.2/1.5t	Easton Scandium 7000
SEAT TUBE	Ø 31.8 x 2.35/1.8t	Round 7005
HEAD TUBE	Ø 44 * Ø 33.95	Forged-machined 7005
SEAT STAYS	Ø 24/19 x 1.75t	Round 7005
CHAIN STAYS	LHS Ø 32/18-22/18 x 1.8t RHS Ø 32/18-22/18 x 1.7/0.9/1.4t	Rectangular 7005

Derailleur Hanger - H Style
Disc Mounts - International Standard
Seat Post - 30.0mm
Bottom Bracket - 68 x 113mm splined
Head Set - 1-1/8"

KULA, PAHOEHOE

Lightweight production frame sets are designed for highly efficient hardtail cross-country racing and riding, with focus on lightweight equipment.

- Constructed of Easton Ultralite tubing.
- Down tube gusset.
- Forged bottom bracket, head tube.
- Forged dropouts with replaceable derailleur hanger.
- Available as frame only, complete bike weighs 24.9 lbs (Kula18"), 25.9 lbs (Pahoehoe18").

KULA, PAHOEHOE		
TOP TUBE	Ø 35 x 1.6/0.8/1.3t	Easton Ultralite 7005
DOWN TUBE	Ø 44.5 x 2.4/1.0/1.3t	Easton Ultralite 7005
SEAT TUBE	Ø 31.8 x 2.5/1.0/1.5t	Easton Ultralite 7005
HEAD TUBE	Ø 41 * Ø 33.95	Forged-machined 7005
SEAT STAYS	Ø 19 x 1.4/1.6/1.4t	Round Triple-butted 7005
CHAIN STAYS	Ø 27/17-19 x 1.8/1.3/1.6t	Tapered Triple-butted 7005

Derailleur Hanger - K Style
Disc Mounts - International Standard
Seat Post - 27.0mm
Bottom Bracket - 68 x 113mm splined
Head Set - 1-1/8"

MUNI-MULA

Hardtail design is excellent for fun and technical single track riding.

- Butted 7005 main frame with straight gauge rear triangle.
- Down tube gusset.
- Forged bottom bracket, head tube.
- Forged dropouts with replaceable derailleur hanger.
- Available as frame only, complete bike weighs 26.9 lbs (18").

MUNI-MULA		
TOP TUBE	Ø 34.9 x 1.6/1.2/1.6t	Triple-butted 7005
DOWN TUBE	Ø 44 x 1.8/1.3/1.6t	Triple-butted 7005
SEAT TUBE	Ø 31.8 x 2.35/1.6t	Double-butted 7005
HEAD TUBE	Ø 41 * Ø 33.95	Forged 7005
SEAT STAYS	Ø 19 x 1.8t	Round 7005
CHAIN STAYS	Ø 27/17-19 x 2.0t	Round 7005

Derailleur Hanger - K Style
Disc Mounts - International Standard
Seat Post - 27.0mm
Bottom Bracket - 68 x 110mm
Head Set - 1-1/8"

CALDERA

Hardtail design is excellent for fun and technical single track riding.

- Butted 7005 main frame with straight gauge rear triangle.
- Down tube gusset.
- Forged bottom bracket, head tube.
- Forged dropouts with replaceable derailleur hanger.
- Complete bike weighs 27.9 lbs (18").

CALDERA		
TOP TUBE	Ø 34.9 x 1.6/1.2/1.6t	Triple-butted 7005
DOWN TUBE	Ø 44 x 1.8/1.3/1.6t	Triple-butted 7005
SEAT TUBE	Ø 31.8 x 2.35/1.6t	Double-butted 7005
HEAD TUBE	Ø 41 * Ø 33.95	Forged 7005
SEAT STAYS	Ø 19 x 1.8t	Round 7005
CHAIN STAYS	Ø 27/17-19 x 2.0t	Round 7005

Derailleur Hanger - D1 Style
Disc Mounts - International Standard
Seat Post - 27.0mm
Bottom Bracket - 68 x 110mm
Head Set - 1-1/8"

CINDER CONE

Hardtail design is excellent for fun and technical single track riding.

- Butted seat tube with straight gauge 7005 tubing.
- Down tube gusset.
- Forged bottom bracket, head tube.
- Forged dropouts with replaceable derailleur hanger.
- Complete bike weighs 26.9 lbs (18").

CINDER CONE		
TOP TUBE	Ø 34.9 x 1.65t	Round 7005
DOWN TUBE	Ø 44 x 1.8t	Round 7005
SEAT TUBE	Ø 31.8 x 2.35/1.6t	Double-butted 7005
HEAD TUBE	Ø 41 * Ø 33.95	Forged 7005
SEAT STAYS	Ø 19 x 1.8t	Round 7005
CHAIN STAYS	Ø 27/17-19 x 2.0t	Round 7005

Derailleur Hanger - D1 Style
Disc Mounts - International Standard
Seat Post - 27.0mm
Bottom Bracket - 68 x 110mm
Head Set - 1-1/8"

NUNU

Hardtail "Fun" Mountain Bikes has same geometry as other XC hardtails.

- Constructed using 7005 aluminum tubing.
- Down tube gusset.
- Forged bottom bracket, head tube.
- Forged dropouts with replaceable derailleur hanger.
- Complete bike weighs 26.9 lbs (18").

NUNU		
TOP TUBE	Ø 35 x 1.8t	Round 7005
DOWN TUBE	Ø 44 x 2.0t	Round 7005
SEAT TUBE	Ø 31.8 x 2.35t	Round 7005
HEAD TUBE	Ø 41 * Ø 33.95	Forged 7005
SEAT STAYS	Ø 19 x 1.8t	Round 7005
CHAIN STAYS	Ø 32/18-19 x 1.8t	Round 7005

Derailleur Hanger - H Style
Seat Post - 27.0mm
Bottom Bracket - 68 x 110mm
Head Set - 1-1/8"

BLAST

Hardtail "Fun" Mountain Bikes has same geometry as other XC hardtails.

- Constructed of 6061 aluminum tubing.
- Forged bottom bracket, head tube.
- Forged dropouts with replaceable derailleur hanger.
- Complete bike weighs 27.9 lbs (18").

BLAST		
TOP TUBE	Ø 35 x 1.6t	Round 6061
DOWN TUBE	Ø 44 x 1.6t	Round 6061
SEAT TUBE	Ø 31.8 x 2.25/1.8t	Round 6061
HEAD TUBE	Ø 41 * Ø 33.95	Forged 6061
SEAT STAYS	Ø 19 x 1.6t	Round 6061
CHAIN STAYS	Ø 26/18-22.2 x 1.6t	Round 6061

Derailleur Hanger - H Style
Seat Post - 27.2mm
Bottom Bracket - 68 x 113mm
Head Set - 1-1/8"

FIRE MOUNTAIN

Hardtail "Fun" Mountain Bikes has same geometry as other XC hardtails.

- Constructed of 6061 aluminum tubing.
- Forged bottom bracket, head tube.
- Forged dropouts with replaceable derailleur hanger.
- Complete bike weighs 27.9 lbs (18").

FIRE MOUNTAIN		
TOP TUBE	Ø 35 x 1.6t	Round 6061
DOWN TUBE	Ø 44 x 1.6t	Round 6061
SEAT TUBE	Ø 31.8 x 2.35/1.6t	Round 6061
HEAD TUBE	Ø 41 * Ø 33.95	Forged 6061
SEAT STAYS	Ø 19 x 1.6t	Round 6061
CHAIN STAYS	Ø 28/16-22.2 x 1.6t	Round 6061

Derailleur Hanger - I Style
Seat Post - 27.2mm
Bottom Bracket - 68 x 113mm
Head Set - 1-1/8"

ALUMINUM "OUT OF BOUNDS" HARDTAIL MODELS

CHUTE

Our strongest hardtail. "Out of Bounds" geometry is designed around long travel suspension forks. Built for heavy-duty, extreme trail riding. Also suitable for dual slalom racing.

- Forged chainstay yoke, bottom bracket, head tube.
- Forged dropouts with replaceable derailleur hanger.
- Double clamp compatible.
- Available as frame only. Complete bike weighs 32.9 lbs (18").

CHUTE		
TOP TUBE	Ø 54 x 2.2/1.15/1.5t	Rectangular-Round Kona Clump 7005
DOWN TUBE	Ø 62.5 x 2.4/1.2/1.5t	Rectangular-Round Kona Clump 7005
SEAT TUBE	Ø 34.9 x 2.4t	Round 7005
HEAD TUBE	Ø 44 * Ø 33.95	Forged-machined 7005
SEAT STAYS	Ø 23/17 x 1.8t	Rectangular 7005
CHAIN STAYS	Ø 30/17-24/17 x 1.8t	Rectangular-tapered 7005

Derailleur Hanger - H Style
Disc Mounts - International Standard
Seat Post - 30.0mm
Bottom Bracket - 68 x 113mm splined
Head Set - 1-1/8"

ROAST

Out of Bounds hardtail bike, with Kona OB geometry.

- Forged bottom bracket, head tube.
- Forged dropouts with replaceable derailleur hanger.
- Double clamp compatible.
- Available as frame only. Complete bike weighs 31.9 lbs (18”).

ROAST		
TOP TUBE	Ø 54 x 2.2/1.15/1.5t	Rectangular-Round Kona Clump 7005
DOWN TUBE	Ø 62.5 x 2.4/1.2/1.5t	Rectangular-Round Kona Clump 7005
SEAT TUBE	Ø 34.9 x 2.4t	Round 7005
HEAD TUBE	Ø 44 * Ø 33.95	Forged-machined 7005
SEAT STAYS	Ø 23/17 x 1.8t	Rectangular 7005
CHAIN STAYS	Ø 32/18-22/18 x 1.8t	Oval-tapered 7005

Derailleur Hanger - H Style
Disc Mounts - International Standard
Seat Post - 30.0mm
Bottom Bracket - 68 x 113mm splined
Head Set - 1-1/8”

STUFF

Out of Bounds hardtail bike, with Kona OB geometry.

- Forged bottom bracket, head tube.
- Forged dropouts with replaceable derailleur hanger.
- Double clamp compatible.
- Available as frame only. Complete bike weighs 30.9 lbs (18”).

STUFF		
TOP TUBE	Ø 40 x 1.6t	Round 7005
DOWN TUBE	Ø 61/35 x 1.8t	Oval 7005
SEAT TUBE	Ø 34.9 x 2.5t	Round 7005
HEAD TUBE	Ø 41 * Ø 33.95	Forged-machined 7005
SEAT STAYS	Ø 22.2-19 x 1.8t	Round 7005
CHAIN STAYS	Ø 32/18-22/18 x 1.8t	Oval-tapered 7005

Derailleur Hanger - D1 Style
Disc Mounts - International Standard
Seat Post - 30.0mm
Bottom Bracket - 68 x 113mm splined
Head Set - 1-1/8”

Aluminum Cyclo-Cross, Hybrid and Kids Models

JAKE THE SNAKE

Cyclo-cross frame built for lightweight, solid handling on moderate dirt surfaces. Also is a good training or touring bike.

- Forged bottom bracket, head tube.
- Forged dropouts with replaceable derailleur hanger.
- Available as frame only. Complete bike weighs 23.9 lbs (55cm).

JAKE the SNAKE		
TOP TUBE	Ø 35 x 1.8/1.1/1.5t	Triple-butted 7005
DOWN TUBE	Ø 40 x 2.2/1.2/1.6t	Triple-butted 7005
SEAT TUBE	Ø 31.8 x 2.45/1.0/1.7t	Triple-butted 7005
HEAD TUBE	Ø 41 * Ø 33.95	Forged-machined 7005
SEAT STAYS	Ø 19-16 x 1.4/1.75/1.3/1.4t	Quad-butted 7005
CHAIN STAYS	Ø 32/18-19 x 1.8/1.15/1.2t	Oval-tapered 7005

Derailleur Hanger - H Style
Seat Post - 27.0mm
Bottom Bracket - 68 x 110mm
Head Set - 1-1/8”

MAJOR JAKE

Easton Ultralite cyclo-cross frame has solid handling. A competition bike.

- Forged bottom bracket, head tube.
- Forged dropouts with replaceable derailleur hanger.
- Available as frame only. Complete bike weighs 22.9 lbs (18”).

MAJOR JAKE		
TOP TUBE	Ø 34.9 x 1.6/0.8/1.3t	Easton Ultralite Triple-butted 7005
DOWN TUBE	Ø 40 x 2.1/0.9/1.3t	Easton Ultralite Triple-butted 7005
SEAT TUBE	Ø 31.8 x 2.45/1.0/1.7t	Triple-butted 7005
HEAD TUBE	Ø 41 * Ø 33.95	Forged-machined 7005
SEAT STAYS	Ø 19-16 x 1.4/1.75/1.3/1.4t	Quad-butted 7005
CHAIN STAYS	Ø 32/18-19 x 1.8/1.15/1.2t	Oval-tapered 7005

Derailleur Hanger - H Style
Seat Post - 27.0mm
Bottom Bracket - 68 x 110mm
Head Set - 1-1/8”

HOO-HA

Lightweight "hybrid" bike for city riding & commuting. A rigid Aluminum frame, with mid-sized 700c city tires for efficient recreational and city riding.

- Forged bottom bracket, head tube.
- Forged dropouts with replaceable derailleur hanger.
- Available as frame only. Complete bike weighs 26.2 lbs (18").

HOO-HA		
TOP TUBE	Ø 34.9 x 1.6/1.2/1.6t	Triple-butted 7005
DOWN TUBE	Ø 38 x 1.6/1.3/1.6t	Triple-butted 7005
SEAT TUBE	Ø 31.8 x 2.35/1.6t	Double-butted 7005
HEAD TUBE	Ø 41 * Ø 33.95	Forged 7005
SEAT STAYS	Ø 19 x 1.8t	Round 7005
CHAIN STAYS	Ø 32/17-22.2 x 1.8t	Oval-tapered 7005

Derailleur Hanger - H Style
Seat Post - 27.0mm
Bottom Bracket - 68 x 117.5mm
Head Set - 1-1/8"

KABOOM

Lightweight single speed frame made from Kona "Clump" tubing. Has OB geometry and is ready to take on anything.

- Forged bottom bracket, head tube.
- Available as frame only. Compete bike weighs 25.9 lbs (18").

KABOOM		
TOP TUBE	Ø 54 x 2.2/1.15/1.5t	Rectangular-Round Kona Clump 7005
DOWN TUBE	Ø 62.5 x 2.4/1.2/1.5t	Rectangular-Round Kona Clump 7005
SEAT TUBE	Ø 34.9 x 2.4t	Round 7005
HEAD TUBE	Ø 44 * Ø 33.95	Forged-machined 7005
SEAT STAYS	Ø 23/17 x 1.8t	Rectangular 7005
CHAIN STAYS	Ø 32/18-22/18 x 1.6t	Oval-tapered 7005

Seat Post - 30.0mm
Bottom Bracket - 68 x 113mm splined
Head Set - 1-1/8"

HULA

Fun for the kids. This bike is designed with 24" wheels and offers a stable ride for the next generation of mountain biker.

- Constructed of 6061 aluminum tubing.
- Forged bottom bracket, top tube.
- Forged dropouts with replaceable derailleur hanger.
- Complete bike weighs 29.7 lbs (18").

HULA		
TOP TUBE	Ø 31.8 x 1.6t	Round 7005
DOWN TUBE	Ø 38 x 1.8t	Round 7005
SEAT TUBE	Ø 31.8 x 2.35/1.6t	Round 7005
HEAD TUBE	Ø 41 * Ø 33.95	Forged 7005
SEAT STAYS	Ø 19 x 1.8t	Round 7005
CHAIN STAYS	Ø 27/17-22.2 x 2.0t	Oval-round 7005

Derailleur Hanger - D Style
Seat Post - 27.0mm
Bottom Bracket - 68 x 122.5mm
Head Set - 1-1/8"

STEEL

• While the term "steel frame" can cover anything from the stamped high tensile rig sold by mass merchandisers to the custom cromoly handbuilt, we'll limit this to just the quality end of the range. In general, steel is appealing because it's durable, easy to work with, repairable and fairly inexpensive.

The basic components of 4130 cromoly steel are Chromium, Molybdenum, Manganese and Carbon along with traces of a few other elements. If made properly, a 4130 CroMo frame can last a lifetime. Unless a steel frame of this quality is pushed beyond its maximum yield, it should not fail. Of special note; the Yield strength of "standard" CroMo is @760N\mm2 compared to a quality cold worked 3-2.5 Titanium's number of 792N\mm2. Steel is durable. Steel can

also be comfortable and efficient. The reason that companies make springs out of steel is because the material can retain energy and expend it back. A steel frame doesn't absorb the force of a pedal stroke or the impact of a water bar, it stores it. The gathering of force is what makes a frame comfortable and it is the return of that energy that gives a steel frame its' lively feel.

Steel Cross-Country Hardtail Models

LAVA DOME

Hardtail design is excellent for fun and technical single track riding

- Constructed with seamless double butted tubing.
- Ritchey investment cast rear dropouts.
- Compete bike weighs 27.5 lbs (18").

Seat Post - 27.0mm
Bottom Bracket - 68 x 110mm
Head Set - 1-1/8"

LAVA DOME		
TOP TUBE	Ø 31.8 x 0.9/0.6/0.9t	Round Double-butted 4130 Cromoly
DOWN TUBE	Ø 31.8 x 0.9/0.6/0.9t	Round Double-butted 4130 Cromoly
SEAT TUBE	Ø 29.8-28.6 x 1.3/0.7/0.9t	Double-butted 4130 Cromoly
HEAD TUBE	Ø 37 * Ø 33.95	4130 Cromoly
SEAT STAYS	Ø 19 x 0.9t	4130 Cromoly
CHAIN STAYS	Ø 22.2 x 0.9t	4130 Cromoly

HAHANNA

Hardtail "Fun" Mountain Bikes.

- Constructed with cromoly main and high tensile rear.
- Compete bike weighs 25.9 lbs (18").

HAHANNA		
TOP TUBE	Ø 31.8 x 0.9t	Round Cromoly
DOWN TUBE	Ø 31.8 x 0.9t	Round Cromoly
SEAT TUBE	Ø 29.8-28.6 x 1.3/0.7/0.9t	Double-butted Cromoly
HEAD TUBE	Ø 37 * Ø 33.95	Seamless Cromoly
SEAT STAYS	Ø 19 x 1.2t	Hi-ten Steel
CHAIN STAYS	Ø 26/18-18 x 1.2t	Hi-ten Steel

Seat Post - 27.0mm
Bottom Bracket - 68 x 122.5mm
Head Set - 1-1/8"

Steel "Out Of Bounds" Hardtail Models

SCAB

City trials and Out of Bounds intermediate hardtail bike.

- Head tube wrap gusset, down tube gusset.
- Investment cast dropouts.
- Available as frame only. Complete bike weighs 30.1 lbs (18").

SCAB		
TOP TUBE	Ø 34.9 x 0.9t	Round Cromoly
DOWN TUBE	Ø 44 x 0.9t	Bi-oval Cromoly
SEAT TUBE	Ø 29.8-28.6 x 1.3/0.7/0.9t	Double-butted Cromoly
HEAD TUBE	Ø 37 * Ø 33.95	Seamless Cromoly
SEAT STAYS	Ø 19-16 x 0.9t	Round-tapered Cromoly
CHAIN STAYS	Ø 26/19-16 x 0.9t	Oval-tapered Cromoly

Seat Post - 27.0mm
Bottom Bracket - 68 x 113mm splined
Head Set - 1-1/8"

Steel Hybrid Models

YEE-HA

Steel "hybrid" bike for city & commuting. Mid-sized 700c city tires for efficient and reliable city riding

- Full cromoly construction.
- Complete bike weighs 26.5 lbs (18").

YEE-HA		
TOP TUBE	Ø 31.8 x 0.9t	Round 4130 Cromoly
DOWN TUBE	Ø 31.8 x 0.9t	Round 4130 Cromoly
SEAT TUBE	Ø 29.8-28.6 x 1.3/0.7/0.9t	Double-butted 4130 Cromoly
HEAD TUBE	Ø 37 * Ø 33.95	Seamless 4130 Cromoly
SEAT STAYS	Ø 19 x 0.9t	4130 Cromoly
CHAIN STAYS	Ø 22.2 x 0.9t	4130 Cromoly

Seat Post - 27.0mm
Bottom Bracket - 68 x 122.5mm
Head Set - 1-1/8"

FRAME WARRANTY

Kona frame warranty is outlined in detail in the Kona Owner's Manual. It does not cover failure due to accidents, stunt riding, racing, use of double clamp forks (except for DH & OB models), or commercial use. It covers the original owner's use for 5 years from the date of purchase, with the exception of Easton Scandium frames (1 year), and Titanium frames (3 years). Ownership must be registered with Kona to validate the warranty. Sympathy pricing in the USA & Canada in case of accidents and other failures is available to the original owner.

KONA FORKS

Kona designed the original straight blade MTB fork, the Project Two. Just like our frames, this simple design has undergone many refinements over the years. From the start, the primary goal of the P2 has been handling. The stout unicrown design has unmatched torsional rigidity, yet it absorbs more shock than non unicrown style forks. This translates into more precise steering and braking under the harshest conditions.

Project Two Fork

• 1-1/8" blades, unicrown design made of full cromoly construction.
• Dropouts are eyeleted to accept fenders or a front rack.
• Steer tube = 1-1/8". Offset = 1.74".

Kona Jump Fork

• Oversize 1-1/4" blades, unicrown design made of full cromoly construction.
• 8mm thick dropouts.
• Butted blades and steerer.
• Steer tube = 1-1/8". Offset = 1.5".

Project Two 700c Fork

• 1-1/8" blades, unicrown design made of full cromoly construction.
• Dropouts are eyeleted to accept fenders or a front rack.
• Steer tube = 1-1/8". Offset = 1.77".

KONA CRANK

Kona Bulge Cromoly Crank

• 3 piece crank with custom cold worked cromoly tubing.

• Heat treated splined solid axle.
• Kona sealed cartridge bearing bottom bracket for BMX or MTB.
• Strong and substancial.
• Single/Multiple chainring compatible.
• Lengths 170, 175, 180mm.

Kona Ring Of Fire Rock Guard

• Save your chainrings and increase BB clearance.
• 8mm aluminum plate with CNC'd detailing.
• Four arm bolt pattern.
• Made from 6061-T6 aluminum.

KONA RISER HANDLEBARS

Kona DB Handlebar

• 6061 double butted aluminum handle bar.
• Designed for cross-country riding.
• 38mm rise, 660mm wide.
• 2001 design.
• 320 grams.

Kona DH Handlebar

• 2014 T-6 Super Duraluminum forged handle bar.
• Strong enough for World Cup Downhill racing.
• 38mm rise, 660 wide, 310 grams.

Kona DH Primo Handlebar

• 2014 T-6 Super Duraluminum forged handle bar.
• Strong enough for World Cup Downhill racing.
• 38mm rise, 680 wide, 360 grams.
• Oversize clamp 31.8mm.

REPLACEMENT NOTE:
It is recommended that Aluminum handlebars be replaced at least once per year under regular use. While Kona handlebars are tested to standards which would normally exceed 2-3 years of normal use, Aluminum tends to fail suddenly, and could result in serious injury or death. Kona offers a 1/2 price replacement program for Kona handlebars.

Pseudopod Grips

• Dual density design, with soft outer section for comfort.
• K-Nine flange keeps hands from slipping out of position.
• Can be used with flange to inside (BMX) and closed end, or with flange on outside & bar end plug.
• 120 grams/pair, groovy glow-in-the-dark styling.

Mooseknuckle Grips

• Medium thickness with BH knobs for long wear.
• Two 1mm recessed grooves for wiring down for DH riding.
• 120mm in length with integrated end caps to keep your hands from coming off the bars.
• High grade Krayton rubber, 84 grams.

KONA BULGE HUBS

• Large Flange.
• One piece cold forged body.
• 36H with 9mm solid axle and cartridge bearings.
• 48H with 14mm solid axle and cartridge bearings.
• 32H with 9mm quick release axle and sealed ball bearings.
• Sealed ball bearing.

For service, safety & maintenance information, please refer to the Kona Owner's Manual, which is provided with each bicycle.

If you have further technical questions, contact Dr. Dew of the Kona Design Group by e-mail at: **tech@konaworld.com**.
For general & sales questions, contact: **joe@konaworld.com**.

The KonaWorld web site is located at: **http://www.konaworld.com**

The technical specifications contained in this document have been taken from sales literature produced by Fox, Marzocchi, Rock Shox, InSync, RST and Easton.