2010 Tech Info

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Morewood 2010 distributor release document V1.0

Index:

Page 2 – 3.....Makulu

Page 4 – 5.....Kalula

Page 6 – 7.....Izimu

Page 8 – 9.....Zuza

Page 10 – 11.....Mbuzi

Page 12 – 13.....Shova

Page 14 – 15.....Ndiza

Page 16 – 17.....Enza

Page 18 – 19.....Zula

Page 20 – 21.....Kwela

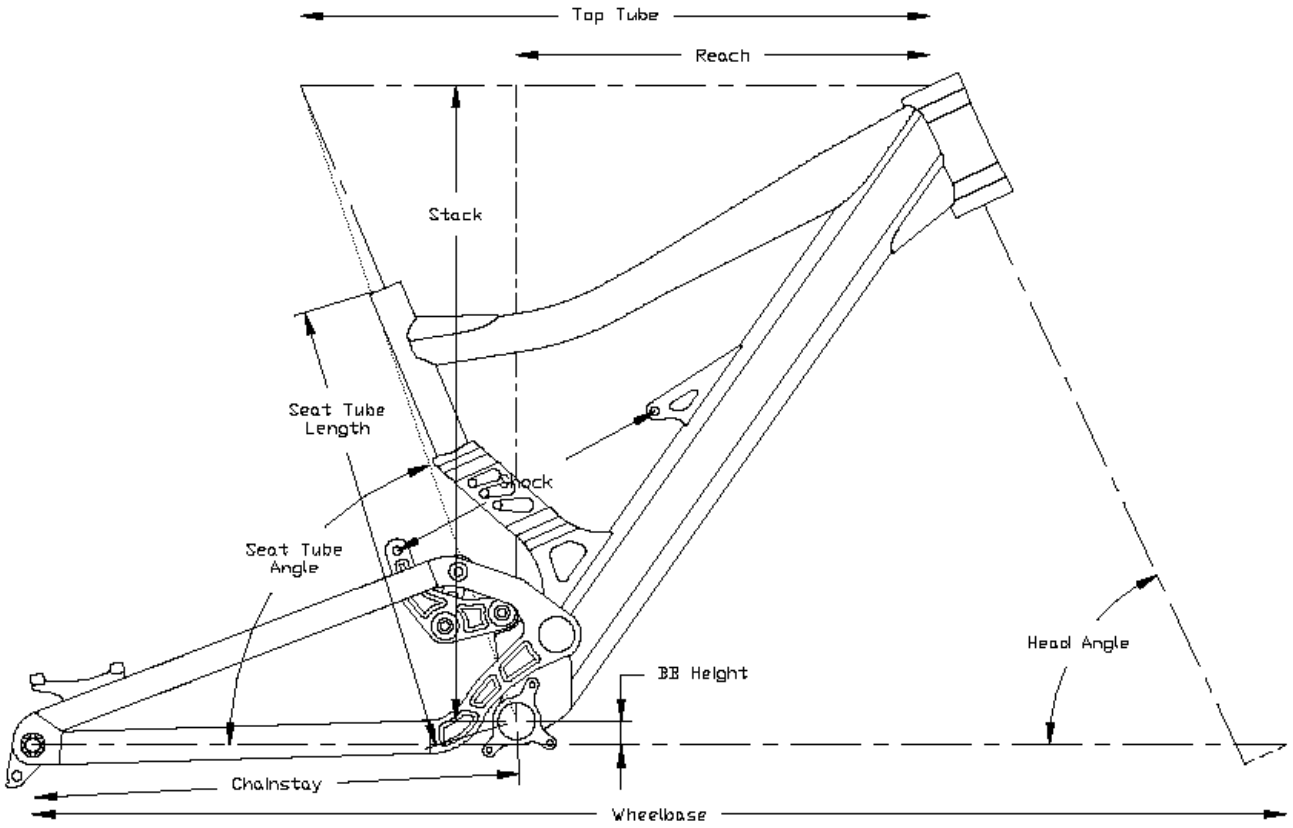
Page 22 - 23.....Technology

Makulu

Colour options- **White, Black & Yellow**

- **Revisions:** Unchanged

- **Tech:**
  - 1.5" (120mm long) head tube
  - custom drawn Al 6082 T6 tubeset
  - hydroformed top tube
  - 83mm ISCG 05 bottom bracket
  - two piece CNC machined BB and pivot box assembly
  - 30.9mm seatpost size
  - 34.9mm seat clamp
  - 203mm [8"] rear wheel travel
  - LOW-LEVERAGE ADVANTAGE //// (2.3:1) Leverage ratio linkage with full compliment Enduro Max bearings
  - 266mm x 89mm [10.5" x 3.5"] rear shock length
  - Shock options: FoxRC4 or Bos Stoy
  - 30mm x 8mm front shock-mount
  - 25.4mm x 8mm rear shock-mount
  - Large sealed pivot bearings (6003 2RS)
  - CNC machined 6082 Ali 12 x 150mm bolt thru rear axle (maxle compatible)
  - CNC machined 6082 Ali replaceable derailleur hanger
  - postmount direct 180mm rear brake tab
  - Small and large frame sizes



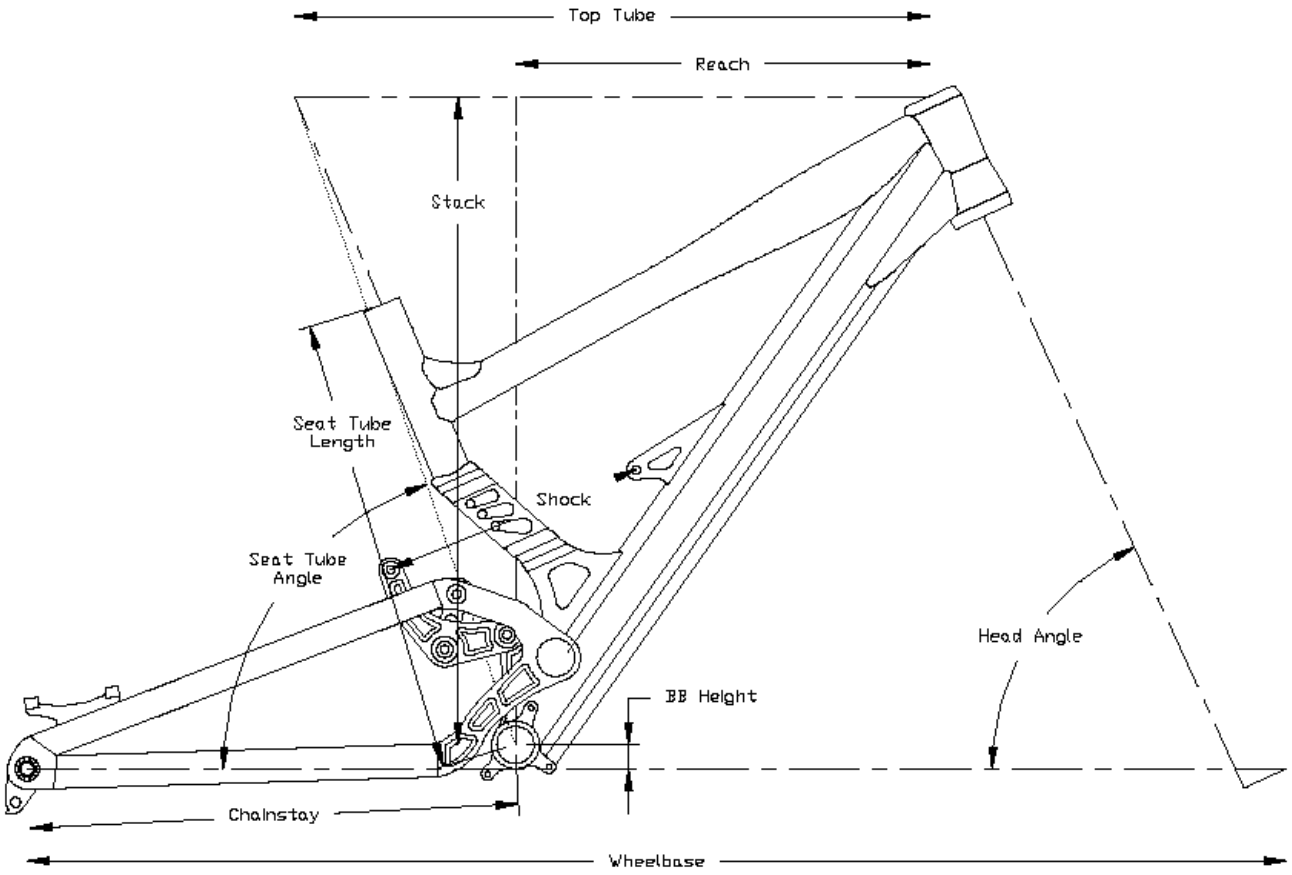
Geometry Measurements	Makulu Small	Makulu Large
	565mm axle to crown, 42mm offset	565mm axle to crown, 42mm offset
Effective Top Tube	580mm	610mm
Reach	379mm	409mm
Stack	582mm	582mm
Seat Tube Length	414mm	414mm
Chainstay Length	445mm	445mm
Wheelbase	1152mm	1182mm
Head Tube Angle	65.°	65.°
Seat Tube Angle	71.°	71.°
BB Height	+22mm	+22mm
Head Tube Length	120mm	120mm

Kalula

Colour options- Cobolt Blue & White

- **New Model Features**
  - 44mm/semi intergrated – 1.5" tapered head tube
  - New downtube
  - Linkage Plates with freeride inspired suspension curve
  - New radius'd chainstay for improved heel clearance
  - Postmount 160mm direct rear brake tab
  - available in 3 sizes (small, medium and large)

- **Tech:**
  - custom drawn Al 6082 T6 tubeset
  - hydroformed top tube
  - 83mm ISCG 05 bottom bracket
  - 30.9mm seatpost size
  - 34.9mm seat clamp
  - 178mm [7"] rear wheel travel
  - LOW-LEVERAGE ADVANTAGE //// (2.3:1) leverage ratio linkage with full compliment Enduro Max bearings
  - 241mm x 76mm [9.5" x 3"] rear shock length
  - shock options: Fox RC4 or Bos Stoy
  - 30mm x 8mm front shock-mount
  - 25.4mm x 8mm rear shock-mount
  - large sealed pivot bearings (6003 2RS)
  - CNC machined 6082 Ali 12 x 150mm bolt thru rear axle (maxle compatible)
  - CNC machined 6082 Ali replaceable derailleur hanger



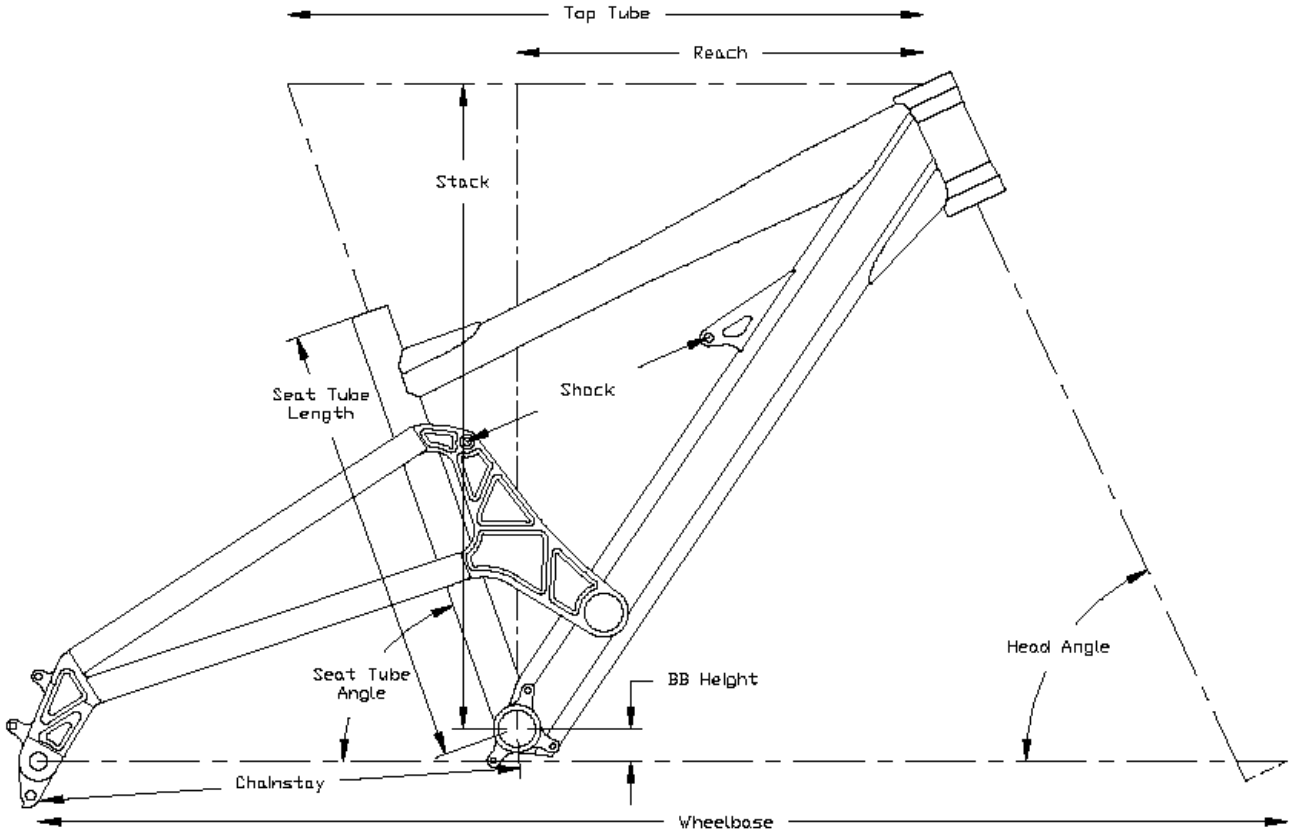
Geometry Measurements	Kalula Small	Kalula Medium	Kalula Large
	565mm axle to crown, 42mm offset	565mm axle to crown, 42mm offset	565mm axle to crown, 42mm offset
Effective Top Tube	550mm	580mm	610mm
Reach	347mm	377mm	407mm
Stack	590mm	590mm	590mm
Seat Tube Length	417mm	417mm	417mm
Chainstay Length	445mm	445mm	445mm
Wheelbase	1116mm	1146mm	1176mm
Head Tube Angle	65.5°	65.5°	65.5°
Seat Tube Angle	71.°	71.°	71.°
BB Height	+22mm	+22mm	+22mm
Head Tube Length	120mm	120mm	120mm

Izimu

Colour options- Black & Iridium Red (new)

- **Revisions:**
  - Downtube mounted front shockmount (increased progressivity)

- **Tech:**
  - 1.5" (120mm) head tube
  - custom drawn Al 6082 T6 tubeset
  - hydroformed top tube
  - 73mm ISCG 05 bottom bracket
  - 30.9mm seatpost size
  - 34.9mm seat clamp
  - SPI2 - simple, refined pivot interface
  - 215mm [8.2"] rear wheel travel
  - 240mm x 76mm [9.5" x 3"] rear shock length
  - shock options: RockShox Vivid5.1
  - 30mm x 8mm front shock-mount
  - 52mm x 8mm rear shock-mount
  - large sealed pivot bearings
  - 12 x 150mm dropouts, one-piece CNC machined axle
  - CNC machined 6082 Ali replaceable derailleur hanger
  - brake mount- international standard
  - small and large frame sizes



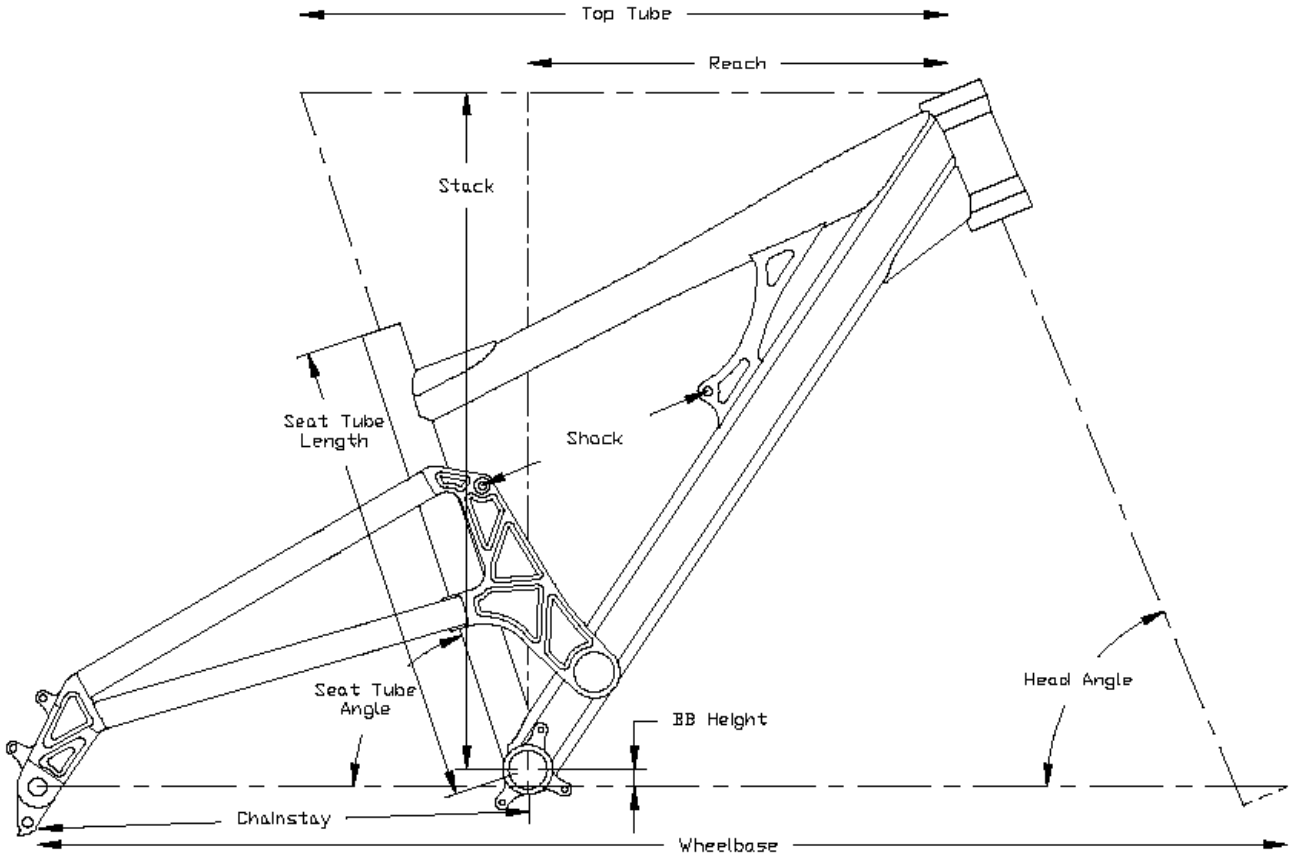
Geometry Measurements	Izimu Small	Izimu Large
	565mm axle to crown, 42mm offset	565mm axle to crown, 42mm offset
Effective Top Tube	580mm	610mm
Reach	375mm	405mm
Stack	579mm	579mm
Seat Tube Length	415mm	415mm
Chainstay Length	440mm	440mm
Wheelbase	1144mm	1174mm
Head Tube Angle	65.°	65.°
Seat Tube Angle	70.5°	70.5°
BB Height	+30mm	+30mm
Head Tube Length	120mm	120mm

Zuza

Colour options- Turquoise, White & Black

- **Revisions:**
  - Unchanged

- **Tech:**
  - 1.5" x (120mm) head tube
  - custom drawn Al 6082 T6 tubeset
  - hydroformed top tube - low stand-over height
  - 73mm ISCG 05 bottom bracket
  - 30.9mm seatpost size
  - 34.9mm seat clamp
  - 34.9mm top pull/ low band front derailleur
  - front derailleur compatible- triple/ dual chainring ready
  - SPI2 - simple, refined pivot interface
  - 170mm [6.7"] Rear wheel travel
  - 215mm x 63mm [8.5" x 2.5"] rear shock length
  - shock options: RockShox Vivid 5.1
  - 30mm x 8mm front shock-mount
  - 52mm x 8mm rear shock-mount
  - Large sealed pivot bearings
  - 12 x 135mm rear axle (maxle compatible)
  - CNC machined replaceable derailleur hanger
  - brake mount- international standard
  - small and large frame sizes



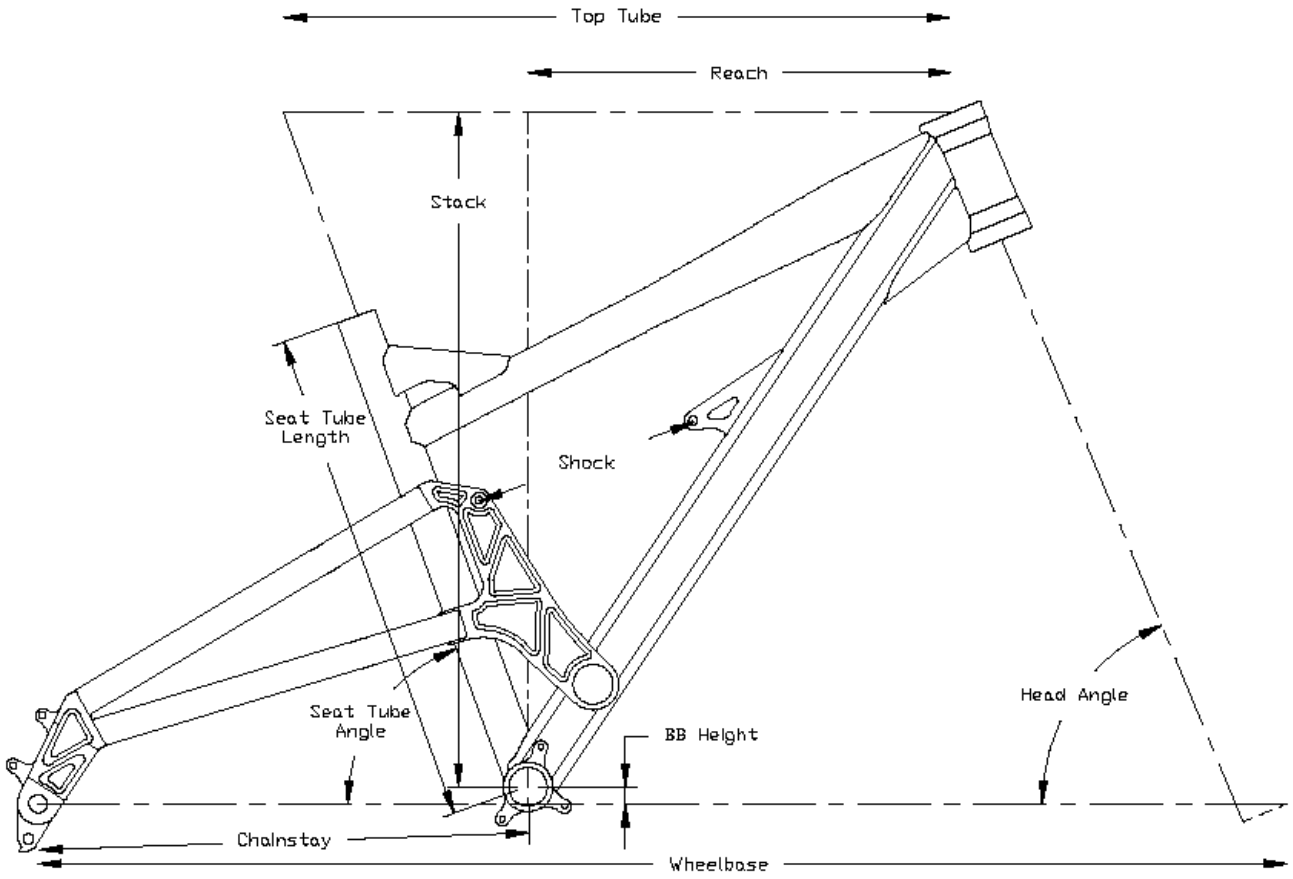
Geometry Measurements	Zuza Small	Zuza Large
	545mm Axle to Crown	545mm Axle to Crown
Effective Top Tube	568mm	593mm
Reach	370mm	395mm
Stack	590mm	590mm
Seat Tube Length	405mm	405mm
Chainstay Length	430mm	430mm
Wheelbase	1094mm	1119mm
Head Tube Angle	67.5°	67.5°
Seat Tube Angle	71.5°	71.5°
BB Height	+15mm	+15mm
Head Tube Length	120mm	120mm

Mbuzi

Colour options- Grey & White

- **Revision:**
  - Unchanged

- **Tech:**
  - 1.5" x (120mm) head tube
  - custom drawn Al 6082 T6 tubeset
  - hydroformed top tube
  - 73mm ISCG 05 bottom bracket
  - 30.9mm seatpost size
  - 34.9mm seat clamp
  - 34.9mm top pull/ low band front derailleur
  - front derailleur compatible- triple/ dual chainring ready
  - SPI2 - simple, refined pivot interface
  - 160mm [6.2"] Rear wheel travel
  - 200mm x 57mm [7.875" x 2.25"] rear shock length
  - shock options: Fox DHX4.0 Air
  - 30mm x 8mm front shock-mount
  - 52mm x 8mm rear shock-mount
  - Large sealed pivot bearings
  - 12 x 135mm rear axle (maxle compatible)
  - CNC machined replaceable derailleur hanger
  - brake mount- international standard
  - small, medium and large frame sizes



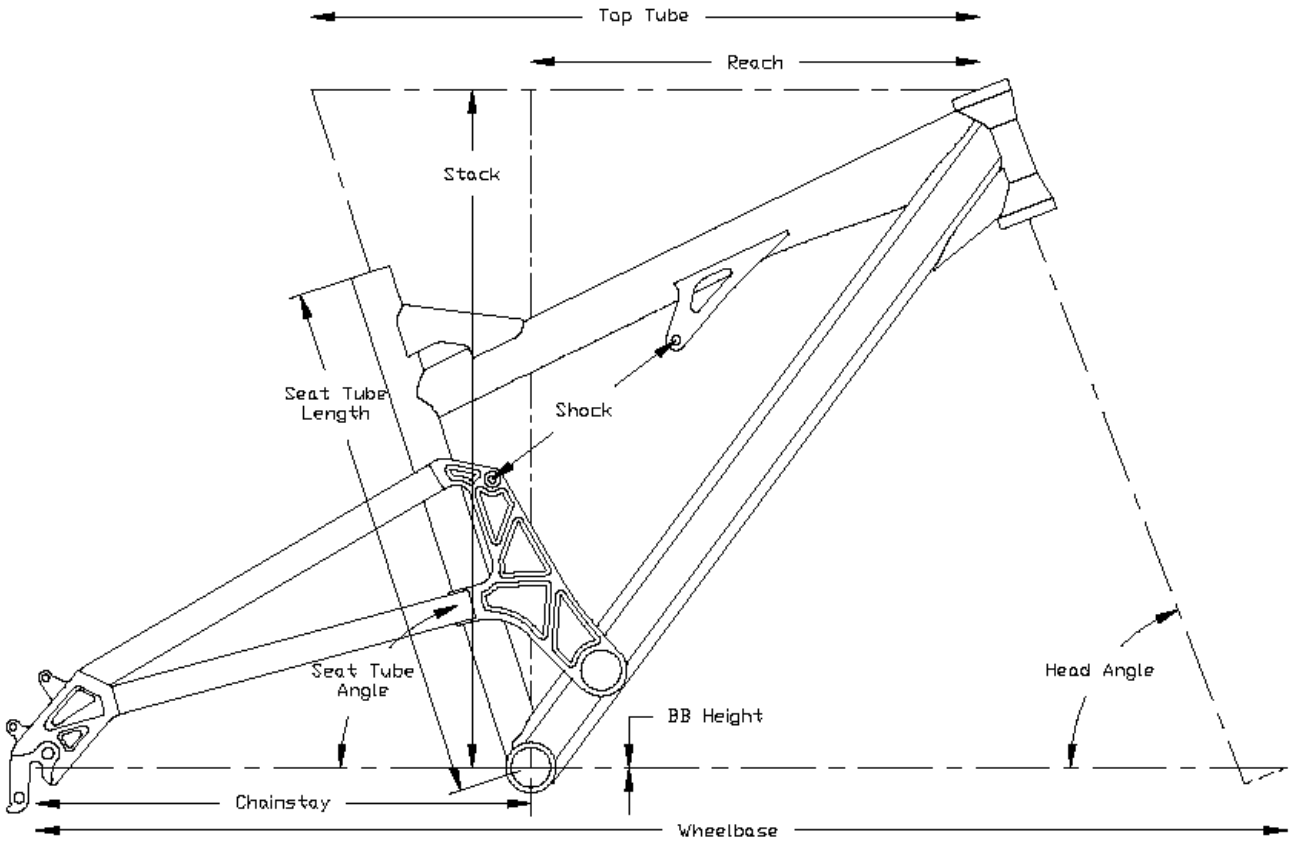
Geometry Measurements	Mbuzi Small	Mbuzi Medium	Mbuzi Large
	545mm Axle to Crown	545mm Axle to Crown	545mm Axle to Crown
Effective Top Tube	560mm	585mm	610mm
Reach	345mm	370mm	395mm
Stack	590mm	590mm	590mm
Seat Tube Length	405mm	440mm	485mm
Chainstay Length	430mm	430mm	430mm
Wheelbase	1069mm	1094mm	1119mm
Head Tube Angle	67.5°	67.5°	67.5°
Seat Tube Angle	70.°	70.°	70.°
BB Height	+15mm	+15mm	+15mm
Head Tube Length	120mm	120mm	120mm

Shova

Colour options- Iridium Red (new), White & Blue

- **Revision:**
  - Unchanged

- **Tech:**
  - 44mm semi-integrated 1 1/8" (120mm) head tube
  - custom drawn Al 6082 T6 tubeset
  - hydroformed top tube
  - 73mm bottom bracket
  - 30.9mm seatpost size
  - 34.9mm seat clamp
  - 34.9mm top pull/ low band front derailleur
  - SPI2 - simple, refined pivot interface
  - 145mm [5.7"] Rear wheel travel
  - 200mm x 50mm [7.875" x 2"] rear shock length
  - shock options: Fox RP23
  - 25.4mm x 8mm front shock-mount
  - 52mm x 8mm rear shock-mount
  - Large sealed pivot bearings
  - IS brake mount
  - CNC machined replaceable derailleur hanger
  - CNC machined QR dropout
  - small, medium and large frame sizes



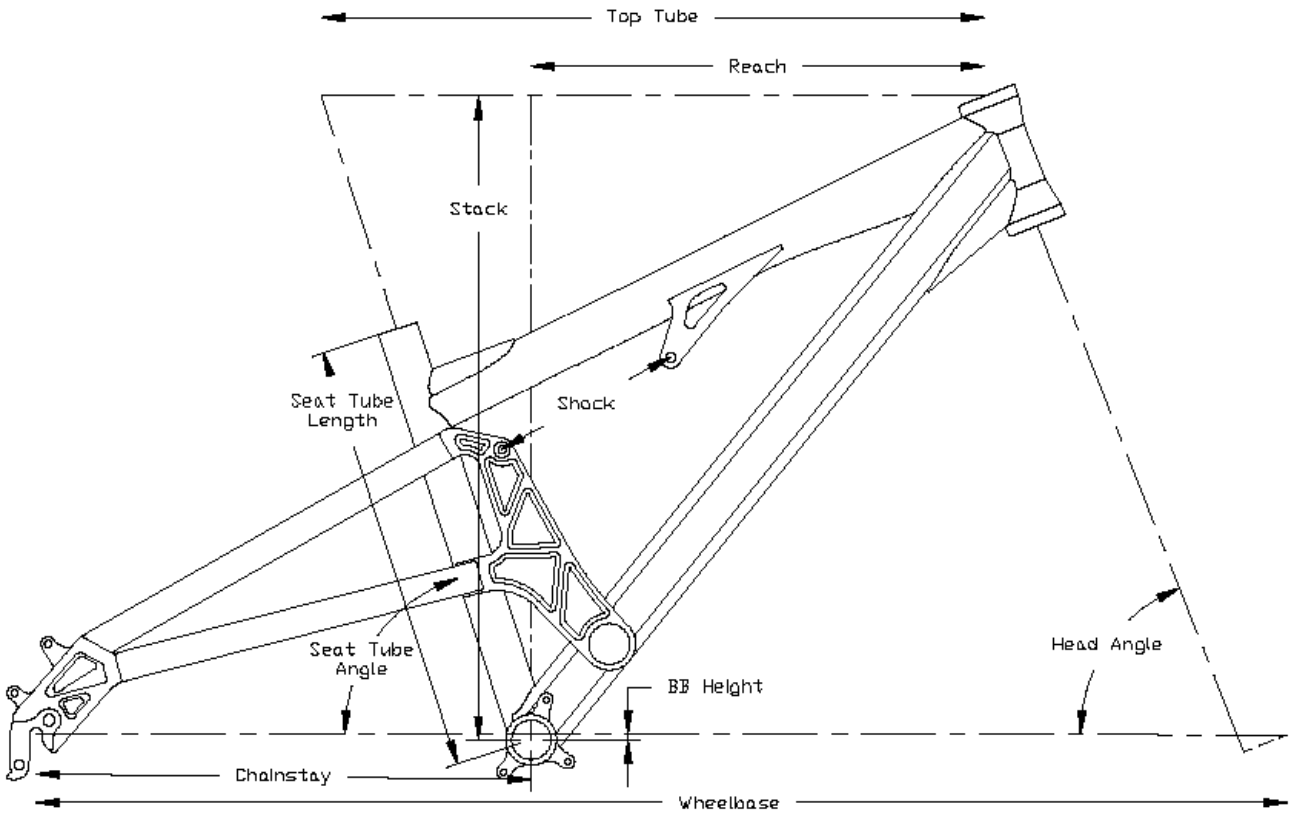
Geometry Measurements	Shova Small	Shova Medium	Shova Large
	518mm Axle to Crown	518mm Axle to Crown	518mm Axle to Crown
Effective Top Tube	560mm	580mm	610mm
Reach	370mm	390mm	420mm
Stack	586mm	586mm	586mm
Seat Tube Length	405mm	445mm	490mm
Chainstay Length	430mm	430mm	430mm
Wheelbase	1070mm	1090mm	1120mm
Head Tube Angle	69.°	69.°	69.°
Seat Tube Angle	72.°	72.°	72.°
BB Height	0mm	0mm	0mm
Head Tube Length	120mm	120mm	120mm

Ndiza

Colour options- White & Yellow

- **Revision:**
  - Unchanged

- **Tech:**
  - 44mm semi-integrated 1 1/8" (120mm) head tube
  - custom drawn Al 6082 T6 tubeset
  - hydroformed top tube
  - 73mm ISCG 05 ready bottom bracket
  - 30.9mm seatpost size
  - 34.9mm seat clamp
  - SPIG - simple, refined pivot interface
  - 100mm [4"] Rear wheel travel
  - 165mm x 38mm [6.5" x 1.5"] rear shock length
  - shock options: Fox RP23
  - 25.4mm x 8mm front shock-mount
  - 52mm x 8mm rear shock-mount
  - Large sealed pivot bearings
  - CNC machined replaceable derailleur hanger
  - CNC machined QR dropout
  - brake mount – international standard
  - small and large frame sizes



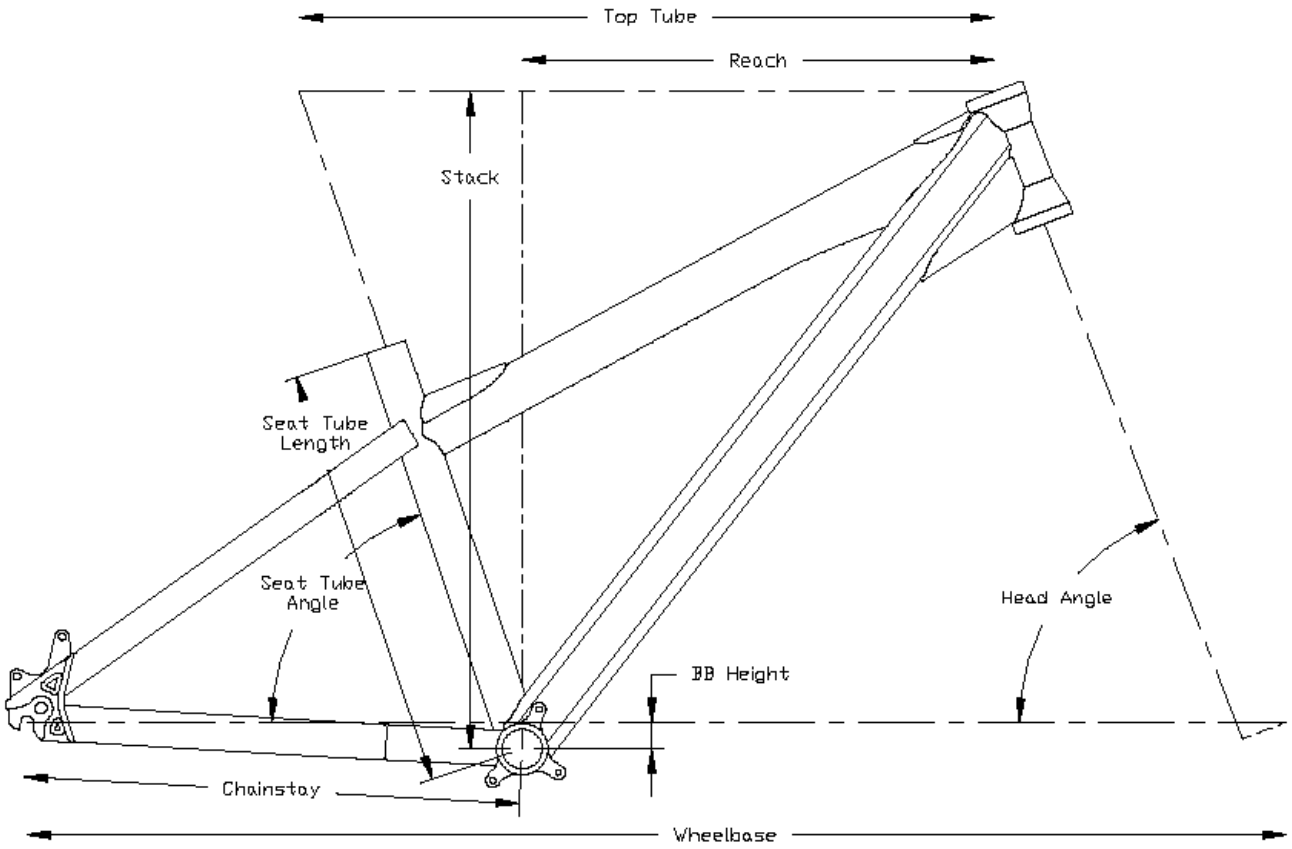
Geometry Measurements	Ndiza Small	Ndiza Large
	480mm Axle to Crown	480mm Axle to Crown
Effective Top Tube	570mm	605mm
Reach	391mm	426mm
Stack	551mm	551mm
Seat Tube Length	370mm	370mm
Chainstay Length	425mm	425mm
Wheelbase	1076mm	1111mm
Head Tube Angle	68.5°	68.5°
Seat Tube Angle	72.°	72.°
BB Height	-5mm	-5mm
Head Tube Length	120mm	120mm

Enza

Colour options- White, Pink & Black

- **Revision:**
  - Unchanged

- **Tech:**
  - 44mm semi-integrated 1 1/8" (120mm long) head tube
  - custom drawn Al 6082 T6 tubeset
  - hydroformed top tube
  - 73mm CNC machined ISCG 05 BB
  - 30.9mm seatpost size
  - 34.9mm seat clamp
  - CNC machined replaceable derailleur hanger
  - rear brake mount – international standard
  - one size



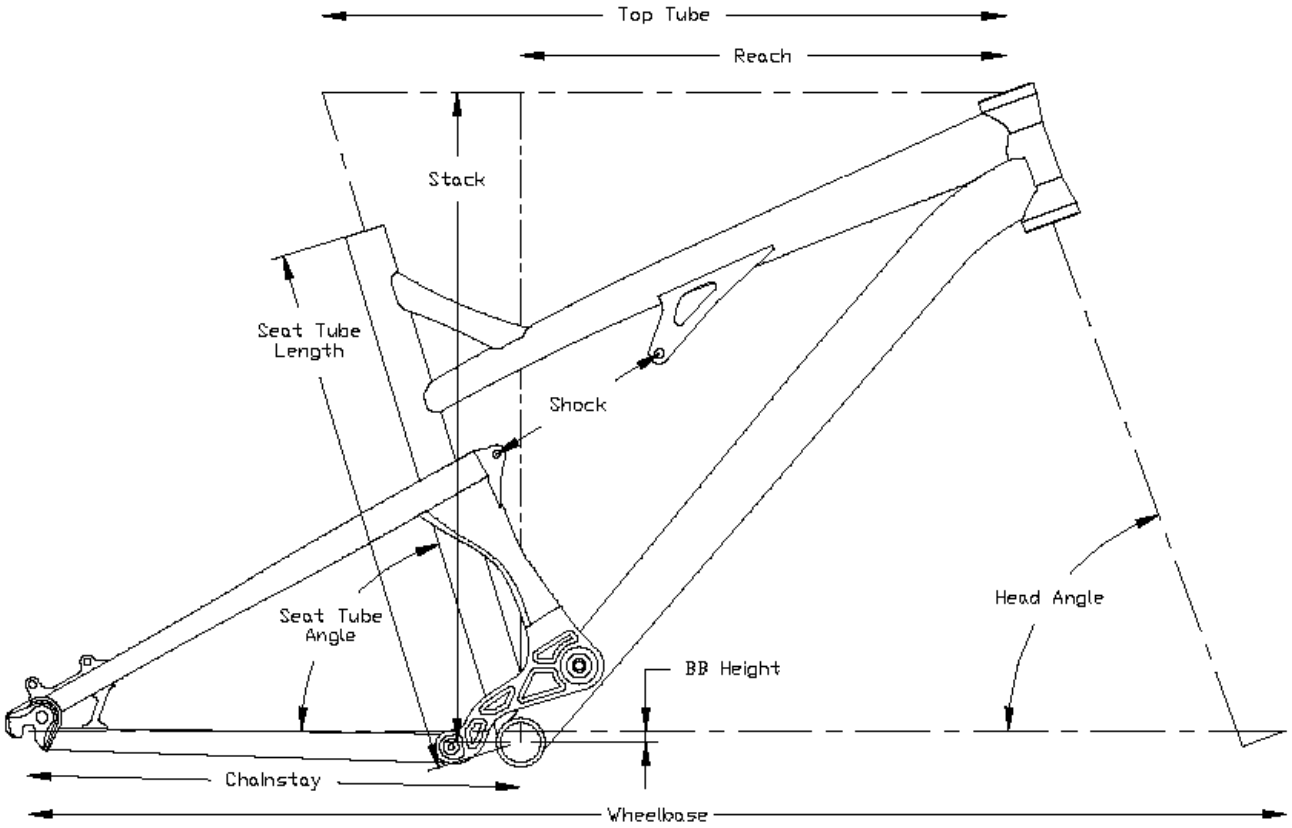
Geometry Measurements	Enza 470mm Axle to Crown
Effective Top Tube	588mm
Reach	400mm
Stack	557mm
Seat Tube Length	360mm
Chainstay Length	420mm
Wheelbase	1066mm
Head Tube Angle	69.°
Seat Tube Angle	71.3°
BB Height	-22.75mm
Head Tube Length	120mm

Zula

Colour options- Black & White

- **New Model**

- **Tech:**
  - semi-integrated (S 110mm, M 120mm, L 130mm and XL 140mm) head tube
  - formed and butted Al 6069 T6 proprietry tubeset
  - 73mm bottom bracket
  - 30.9mm seatpost size
  - 34.9mm seat clamp
  - front derailleur: high band bottom pull)
  - SPI Lite - simple, refined pivot interface
  - 100mm [4"] rear wheel travel
  - 165mm x 38mm [6.5" x 1.5"] rear shock length
  - shock options: Fox RP23 or DT Swiss XM180
  - 25.4mm x 8mm front shock-mount
  - 25.4mm x 8mm rear shock-mount
  - Enduro MAX sealed pivot bearings
  - CNC machined 6082 Ali replaceable derailleur hanger
  - 160mm rear brake mount – international standard
  - small, medium, large and X-large frame sizes



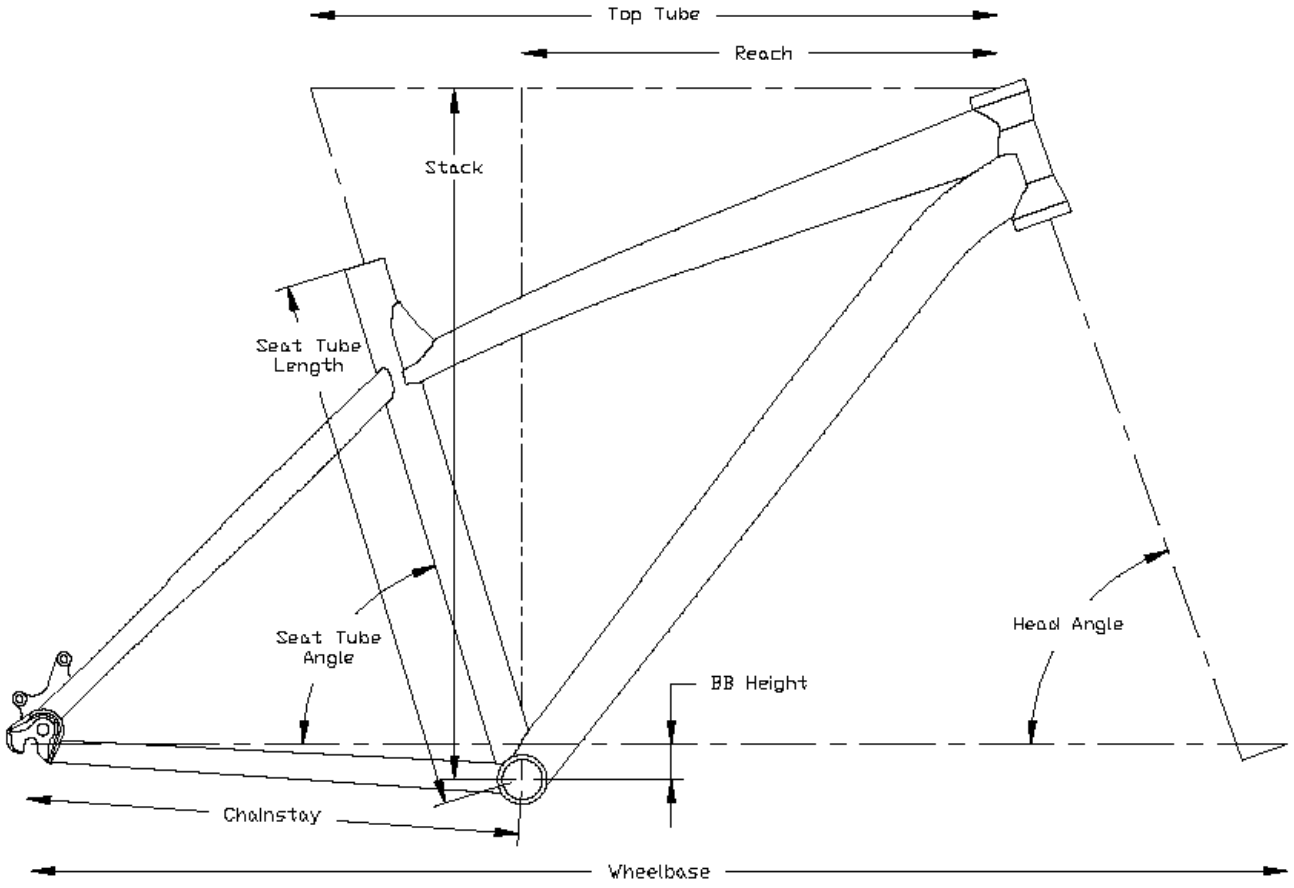
Geometry Measurements	Marathon Small	Marathon Medium	Marathon Large	Marathon Extra-Large
	475mm Axle to Crown	475mm Axle to Crown	475mm Axle to Crown	475mm Axle to Crown
Effective Top Tube	560mm	585mm	615mm	640mm
Reach	394mm	419mm	447mm	469mm
Stack	559mm	559mm	569mm	578mm
Seat Tube Length	405mm	460mm	500mm	535mm
Chainstay Length	425mm	425mm	425mm	425mm
Wheelbase	1060mm	1085mm	1116mm	1142mm
Head Tube Angle	70.°	70.°	70.°	70.°
Seat Tube Angle	73.5°	73.5°	73.5°	73.5°
BB Height	-10mm	-10mm	-10mm	-10mm
Head Tube Length	120mm	120mm	130mm	140mm

Kwela

Colour options- White & Black

- **New Model**

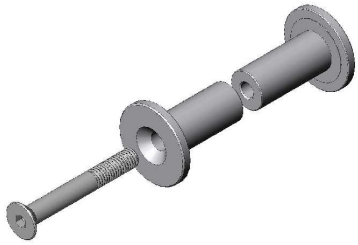
- **Tech:**
  - semi-integrated (S 110mm, M 120mm, L 130mm and XL 140mm) head tube
  - formed and butted Al 6082 T6 tubeset
  - 73mm BB shell [possibly BB30/ pressfit]
  - 30.9mm seatpost size
  - 34.9mm seat clamp
  - front derailleur: low band, top pull
  - CNC machined 6082 Ali replaceable derailleur hanger
  - 160mm rear brake mount – international standard
  - small, medium, large and X-large frame sizes



Geometry Measurements	XC Small	XC Medium	XC Large	XC Extra-Large
	475mm Axle to Crown	475mm Axle to Crown	475mm Axle to Crown	475mm Axle to Crown
Effective Top Tube	555mm	585mm	605mm	625mm
Reach	380mm	407mm	424mm	442mm
Stack	572mm	581mm	591mm	600mm
Seat Tube Length	405mm	460mm	500mm	535mm
Chainstay Length	420mm	420mm	420mm	420mm
Wheelbase	1032mm	1063mm	1083mm	1104mm
Head Tube Angle	70.5°	70.5°	70.5°	70.5°
Seat Tube Angle	73.°	73.°	73.°	73.°
BB Height	-30mm	-30mm	-30mm	-30mm
Head Tube Length	110mm	120mm	130mm	140mm

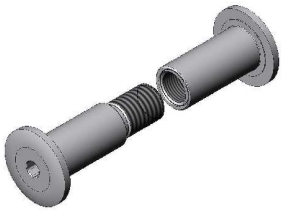
SPI2:

SPI2 is the recent upgrade on our ever popular, tried and tested SPI interface. SPI [Stable Pivot Interface] is the single pivot design, which we used for many years throughout our suspension line-up. Building on that system, SPI2 incorporates revisions to the proven SPI: it uses refined pivot caps which eliminate the need for a pivot axle by incorporating them into the cap itself. Put simply SPI2 is simpler, stronger and lighter than SPI.



SPI LITE:

SPI Lite is the most recent part to the SPI range. It is only found on the Zula XC bike and cannot be used as a substitute on bikes with SPI2. It differs from the SPI and SPI2 by means of eliminating the bolt that usually holds the caps together and consists of two caps that screw into one another, therefore reducing the weight. "Less is Less"



LOW-LEVERAGE ADVANTAGE ////

Low-Leverage Advantage:

Low-leverage advantage is what we are calling our new link actuating system as seen on the Makulu and Kalula. Essentially this linkage allows us to tune the suspension kinematics of the frame to perfectly suit both the shock as well as the requirements put on the specific frame by the intended application. This linkage does not in any way alter the wheel path, meaning that the frame, despite having a linkage is STILL a SINGLE PIVOT, the link is merely to manipulate the shock rate.

