

K L E I N[®]

P A S S I O N FUELS EVERYTHING WE DO AT KLEIN.



It's priceless, free of convention and never to be misunderstood for arrogance. There is that risk to passion, but there is also exquisite beauty. We allow ourselves to go there. Anyplace else, and it wouldn't be Klein.

Klein is founded on an unabashed pursuit of the ultimate alchemy – *turning base metal into effortless human expression.*

We believe in taking nothing less than **THE BEST MATERIALS** to the pinnacle of their performance with an eye to aesthetics — never to the accountants.

Over a quarter of a century later the insight of one visionary has created a global icon. And that original uncompromising aim is still fast and true.

From the first sketched lines, to the custom blended alloys, to the skill used to turn the dream into reality. Our experience and technological expertise gives unparalleled synergy between material and purpose for the world's most advanced, yet beautiful frames. Our fiercely proud artisans then express their craft in every millimetre of weld and every coat of paint to achieve a complete work that's nothing short of perfection.

Why do we do this? Because at Klein we know that passion is vital to every surging pedal stroke, every balanced sweep of the steering and every flawless, silent, gear shift you'll experience. Klein bikes may be sculpture standing still, but they become true poetry in motion.

A PASSION FOR SPEED HAS ALWAYS COURSED THROUGH KLEIN'S ROAD BIKES.

Now the Quantum Pro and Aura series take the velocity hunt to whole new levels.

COMMON GROUND

- Both Klein's road bikes use a proprietary ZR9000 alloy to yield 15% more strength at 15% less weight than normal aluminium frames.
- Carbon wishbone seat stays suck out road vibration and excess frame mass, while adding stiffness and smoother power delivery.
- Internal cable routing smooths frame lines and increases tube strength, while custom micro dropouts ensure perfect wheel alignment and flawless shifting.

QUANTUM PRO

- Klein's take on classic continental race geometry has become a benchmark for perfectly-poised handling.
- Aeros carbon fork and ZR9000/composite frameset delivers the potential for complete bike weights as low as international racing law allows*.

AURA

- Sloped, semi compact geometry gives more standover height and a clearer rider space.
- Taller cockpit means a more relaxed, mileage friendly stance for double-century comfort.
- Dropped bottom bracket creates a lower centre of gravity for carving corners with total authority.

**UCI mandatory minimum bike weight 6.7kg*





MANY FRAMES CLAIM **P R O** STATUS - FEW EARN IT.

A whole cabinet of pro trophies is only part of the story though.

PERFORMANCE ART

Sculptural tube forms and intricate internal butting unleash the potential of the cutting edge ZR9000 alloy. Zirconium produces superior strength, alignment and energy transfer at a molecular level, Klein's artistry applies every atom of that advantage to the road.

SCALES OF TRUTH

Building a light but fragile bike holds no interest for us. Our goal has always been to create a featherweight fuselage that'll split pace lines with a single kick. Minimal mass will float you up the longest climb with no concession to altitude, while totally locked down power delivery converts every muscle twitch into forward motion.

PRECISION POISE

Balanced handling and ethereal weight provides *surgical-knife precision* whether you're setting a descent on fire or cutting and running off the front of the local crit. Combined with perfectly poised Direct Fit geometry, you're assured total confidence whether your shoulder-to-shoulder in a bunch sprint or carving corners high above the ocean on the PCH.

COMPOSITE EDGE

Klein has incorporated the latest gram-shaving, vibration-absorbing carbon composite technology to take road performance to the next level. A sleek, bladed Aeros fork and muscular carbon rear wishbone draw cornering lines precisely enough to make an architect weep but leave you as fresh in the shower as you where on the start line.

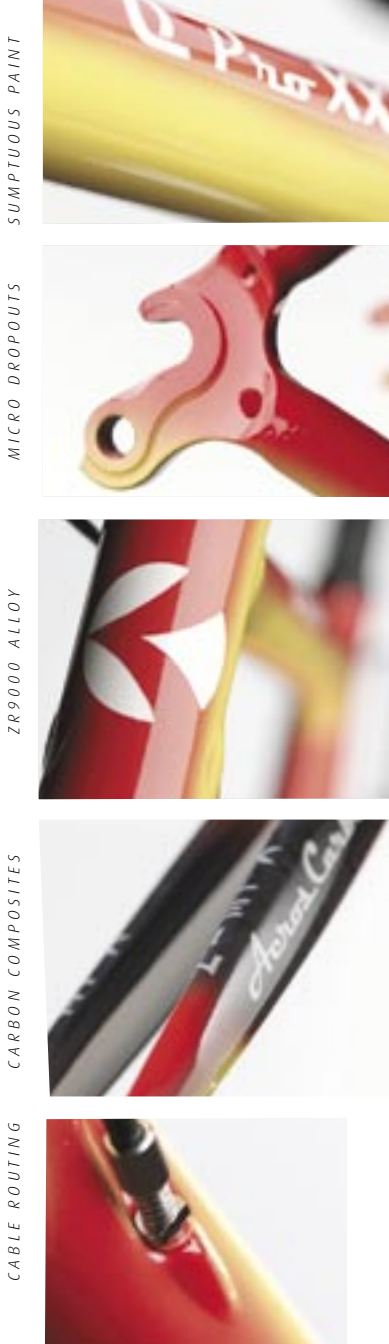
HIDDEN ADVANTAGE

At Klein we believe that beauty should always be functional. Concealed cable routing not only reduces wind resistance, but the teardrop cable stops actually increase tube strength for a tougher, more precise ride. Trademark micro dropouts give perfect wheel alignment every time to make sure you'll never skip a gear or drag a wheel across in a sprint. The fact they look fantastic and weigh next to nothing just adds an extra smile to our designers days.

HOT ROD

Custom or stock versions of the most sumptuous paint jobs in existence, mean that even if you're too far ahead to see, speed doesn't have to be at the expense of style.

S L I C E Y O U R C O M P E T I T I O N , W H E T H E R P R O M E A N S S H A V E N R A C E R O R J U S T 9 - 5 G R A F T E R



SUMPTUOUS PAINT

MICRO DROPOUTS

ZR9000 ALLOY

CARBON COMPOSITES

CABLE ROUTING

QUANTUM PRO FRAME AND AEROS FORK. SYNAPSE-FAST REACTIONS AND A **PACK-SPLITTING POWER KICK.** BONTRAGER RACE X LITE WHEELSET. SPEED IN AN INSTANT. NEW SHIMANO DURA-ACE.
20 GEARS POWERED THROUGH THE WORLD'S MOST ADVANCED CHAIN SET SYSTEM.

Q - P R O X X



ZR9000 – COMPOSITE QUANTUM PRO FRAME AND AEROS FORK. INCISIVE AND ETHEREALLY LIGHT. BONTRAGER RACE LITE WHEEL SET. **YOUR NEW PB GUARANTEED.**
ULTEGRA DOUBLE OR TRIPLE. TRANSMISSION PERFECTION FOR ANY SITUATION.

Q - P R O X V





THE **AURA** COMBINES THE UNPARALLELED TECHNICAL HERITAGE OF KLEIN

with the latest developments and demands of recreational road riders.

GO COMPACT – GO LONG

The Aura’s sloping top tube, semi-compact geometry immediately enhances your riding experience. A more open rider space creates a more relaxed, free-breathing position while the reduced standover height gives increased ‘foot down’ confidence. The more upright cockpit position also creates a more natural body position than a full race tuck, so you can put in a double century without worrying about being bent double at the end.

ENGINEERED ERGONOMICS

By combining a custom butted ZR9000 alloy tubeset specifically designed for a compact frame with carbon wishbone stays and fork, Klein can dial in the perfect ride feel. Tight stays and carbon fork still deliver precision while the carbon weave and extended seat post stop road shock and mileage hot spots from ever reaching your shorts.

PURE PERFORMANCE

Don’t think we’ve gone soft though, the legendary Klein performance still runs right through the spine of the Aura. Pert, perfectly formed rear stays make sure power gets mainlined straight from the pedal to the rubber for undiluted power delivery. Whether you use it for nailing the summit sprint on the Col D’Aubisque or just making up time on your late-running Monday morning commute, nothing’s going to make speed seem so easy.

TRADEMARK TOUCHES

There’s no vanity or ego on display here. Klein goes the extra mile for reasons beyond just aesthetics. Ultra smooth internal cable routing sockets actually increase structural strength around the weld and butting areas as well as stowing wires out of the wind. The integrated headset is lighter, more durable, and more accurate to make sure handling feedback is as precise and clear as demanded. Micro drop-outs give perfect wheel alignment for faultless shifting and tracking, leaving you to fit and forget once the wheel is home.

THREE RING CIRCUS

Complete Aura bikes are also available with wider geared triple chainset configurations for even more efficient and effortless climbing. Full fingertip STI shifting means there’s no loss of transmission response or instant high speed access either.

AURA — RACE DAY PERFORMANCE, WITH ALL DAY, DRIVING GLOVE COMFORT.



SUMPTUOUS PAINT

MICRO DROPOUTS

CABLE ROUTING

CARBON COMPOSITES

ZR9000 ALLOY

AURA COMPACT COMPOSITE FRAME. **DOGFIGHT PERFORMANCE,** STRATEGIC COMFORT. BONTRAGER RACE LITE WHEEL SET. MILEAGE-SHRINKING ROLLING STOCK. SHIMANO ULTEGRA. BENCHMARK POWER DELIVERY.

AURA XV



AURA COMPACT COMPOSITE FRAME. FINISH FRESH HOWEVER FAR YOU GO. BONTRAGER RACE WHEEL SET. **SPEED-BREEDING INNOVATION.** ULTEGRA/105 TRANSMISSION. FLAWLESS STOP – GO CONFIDENCE.



AURA COMPACT COMPOSITE FRAME. PERFECT POISE, EFFORTLESS SPEED. BONTRAGER SELECT WHEEL SET. **LIGHT, RESPONSIVE, TOUGH.** 105/TIAGRA TRANSMISSION. INTUITIVE AND IMMEDIATE PERFORMANCE.





KLEIN'S UNCOMPROMISED, INDIVIDUAL APPROACH HAS ALWAYS PUSHED LIMITS OFF ROAD.

The pulse inside your helmet as the rear wheel scrabbles for grip on a technical climb. The hiss of a tree whistling past your ear on the apex of a corner.

We know what feeds your passion and it flows through every bike we create.

COMMON GROUND

Sculptural ZR9000 Gradient alloy locks down power and tracking precision like no other tube set. Klein's synapse-fast handling makes a mockery of any technical doubts you may have had, slashing your singletrack handicap in half. Intravenous gear cable runs mean, clean lines and minimum maintenance for smooth, silent shifts every time. Every model is fully disc brake ready, so upgrading to all-weather stoppage is simple and easy. Sumptuous multi-layer paintwork gives street rod style even after riding deep into swamp buggy territory.

PALOMINO

The Maverick Mono-Link floating drive train combines rock solid pedalling with butter-smooth swing link suspension for unshakeable traction and control. Laser accurate tracking from the ZR9000 tube set and terrain-following suspension nails lines you couldn't even focus on before.

Integrated custom shock and lightweight bearings combine minimal weight with massive structural integrity.

ATTITUDE

The ultimate hardtail ride distilled over a decade of continuous improvement. Mainlined power delivery blends with precision handling to amplify your ability in any trail situation.

Oversized tire clearance and subtle tube manipulation gives a floated ride that shames many overweight 'full suspension' competitors.



PALOMINO

PASSION IS POINTLESS WITHOUT EXPRESSION, AND THE PALOMINO IS DESIGNED TO TRULY RIDE FREE.

That desire is what drives our innovative alloy blends, multiple heat treatment cycles and unique void-free, smooth-wash welding (a.k.a. double pass) of Klein’s superlative ZR9000 frameset. On the trail it’s what lets you follow your heart, however hard it hammers. Klein Direct Fit	geometry provides custom rider ergonomics with hardwired singletrack handling reactions. Mono-Link integrated suspension swings the wheel back and up for seamless shock absorption but places it perfectly onto the face of the trail whenever grip threatens to loosen.	Synchronous movement of pedal centre and axle mean there’s no kickback or wallow — just a continuous surge of flawless traction. Minimal moving parts mean the bikes’ always as ready to ride as you are. Custom shock design and 100mm travel assures perfect poise in every situation.
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PALOMINO: FLAWLESS RIDER-TO-TRAIL CONNECTION MAKES YOU FEEL IN PERFECT BALANCE WITH THE TRAIL, ALL THE TIME.

Ride a **PALOMINO** and you'll experience the pure, efficient performance that surpasses all expectations. Yet how the Palomino connects seamlessly to the trail without interruption is far more than just a simple story of bike meets bump.



ZR9000 ALLOY



INTEGRATED BOTTOM BRACKET

STRUCTURAL INTEGRATION

The Palomino represents the ultimate in suspension synergy. Take the Mono-Link suspension system with a fully-floating pedalling platform and custom shock that form key structural sections of the frame. Add a main-frame optimized for Klein's custom-developed ZR9000 alloy that uses specifically sculpted tubing forms in every area of the bike. Finish with a proprietary void free "wash" welding process and multiple heat treat cycles for unmatched alignment and strength. The result: A super lightweight yet unflinchingly-precise ride you can trust 100% in the most extreme situations.

POWER DELIVERY

Developed by legendary suspension innovator Paul Turner, the Mono-Link system also sets a whole new benchmark for pedal-to-trail connection. By integrating the bottom bracket into the linkage so it moves in tandem with the rear wheel, pedalling remains totally isolated from the action of the suspension. The result is uninterrupted drive application over any terrain for truly phenomenal traction and unparalleled efficiency on skittering rock or graded climb alike. No kick back, no inch worming, no squat - just totally nailed power delivery whether you're wrestling the big ring or spinning with granny.

SHOCK ABSORPTION

The true standout aspect of the Mono-Link system is the complete independence between pedalling and butter-smooth suspension action. The 15-degree linear rearward and upward swing of the axle path ensures the suspension reacts in the same plane as impact forces from the trail. This immediately-reactive 100mm of travel is controlled by fully-user-adjustable, custom-valve-shock internals and spring profiles developed specifically for the Palomino. All suspension action is in harmony so you feel *perfect balance* versus abrupt bops and hops. The rear wheel is ready to track the ground over the slightest undulations. Whether you're hammering through washboard-braking ripples or single-seismic strikes, the Palomino assures silk-smooth, fluid suspension action for the ultimate shock absorption and precision control.

CENTRED POISE

With suspension hardware placed as low as possible, the Palomino's centre of gravity is dropped to the optimum level. Combined with Klein's Direct Fit geometry, this gives an unshakeably stable and centred poise whether you're carving corners hard enough to scuff the bars or muscling up a stalling point vert.

LESS IS MORE

With only a single linkage and two pivots Palomino's Mono-Link is simplicity itself. Teflon coated bushings mean minimal maintenance between rides, while the shock is integrated into the frame itself for load-sharing longevity. So however hard you ride, in whatever environment, you can rely on ultra-tight-tracking accuracy and pin-sharp feedback every time you take it to the limit.

SHOCK ABSORPTION



ATTENTION TO DETAIL



LESS IS MORE



PALOMINO XX

ZR 9000 PALOMINO FRAME. PRECISION PERFORMANCE WITHOUT EQUAL. 4" MONO-LINK SUSPENSION. **TOTAL TRAIL CONNECTION** WITHOUT POWER INTERRUPTION. FOX F100X TERRA LOGIC FORK. INTELLIGENT SUSPENSION FOR INSPIRED CONTROL. FULL XTR AND BONTRAGER RACE X LITE TUBELESS WHEELS. THE ULTIMATE TERRAIN-MASTERING COMBINATION.



PALOMINO ZR 9000 FRAME. THE ULTIMATE INTEGRATED SUSPENSION CHASSIS. MONO-LINK SUSPENSION. WORKS WITH THE TERRAIN, NOT AGAINST IT. FOX F100 RLT FORK. THE PINNACLE OF FORK PERFORMANCE.
NEW XT WITH DISCS. FEATHER LIGHT SHIFTING, HEAVYWEIGHT STOPPING. BONTRAGER RACE DISC TUBELESS WHEELS. **FLOAT LIKE A BUTTERFLY, GRIP LIKE GLUE.**

PALOMINO XV



PALOMINO ZR 9000 FRAME. ALLOY ALCHEMY, UNERRING ABILITY. MONO-LINK SUSPENSION. **UNMATCHED POWER DELIVERY** AND BUMP RESPONSE.

FOX FLOAT RL FORK. PLUSH OUT OR LOCK DOWN. SRAM X9 SHIFTERS. ULTRA LIGHT 'HANDS ON' CONTROL. BONTRAGER RACE TUBELESS DISC COMPATIBLE. TOUGH, RESPONSIVE, DEPENDABLE.

PALOMINO X



PALOMINO ZR 9000 FRAME. FEATHER LIGHT BUT ROCK SOLID. MONO-LINK SUSPENSION. BUTTER-SMOOTH 100MM STROKE. FOX FLOAT R FORK. THE IDEAL MONO-LINK MATCH.

BONTRAGER SELECT DISC COMPATIBLE. **TOTAL ROLLING RELIABILITY.** HAYES HFX-9 HYDRAULIC DISC BRAKES.

PALOMINO V





WE'VE HAD **ATTITUDE** FOR OVER A DECADE. THAT'S OTHER PEOPLES PROBLEM – NOT OURS.

ALLOY ALCHEMY

The latest evolution of our Gradient fuselage is enriched with the optimum ZR9000 alloy blend for the lightest, strongest Klein hardtail ever. We've never had a better metal to build bicycles and we've certainly made sure it's used to its optimum advantage. The mainframe uses ultra subtle tube tapers and profile changes both internally, and externally. This places metal exactly where it's needed but never where it's not. Broad stance multi-section stays, and locked down head tube-to-dropout frame rigidity create the optimum pedalling platform for *wasabi-style* punch on a nose-cleansing crux move.

DIRECT CONNECT

Clarity of sensation has always driven our methodology, excluding some, but always embracing those who seek the ultimate involvement. Concise feedback blends with cut-and-paste agility for the perfect edit of any technical situation. You don't have to be a masochist to achieve enlightenment though. Custom gradient butted tubing and fully floated Death Grip tires provide the perfect combination to keep your reactions fresh and your body alert no matter how long you ride.

INTUITIVE HANDLING

We've always followed our own Direct Fit geometry path to ensure a totally accurate and complete synergy between bike and rider rather than just sizing on a single specific dimension. This gives the Attitude perfectly weighted and balanced handling that'll taunt you with its confidence. That is until you learn to trust what it can really do rather than what your mind restricts you to. Whether dropping shoulders into flick-flack singletrack power plays or surfing a perfectly-pitched tail slide — you are in control because you're on a Klein.

TUCKED IN, LOCKED DOWN

Routing gear and brake cables internally through the frame not only creates sculpturally smooth lines, it also keeps the controls clear of the grime and grit on every ride. Perfectly aligned dropouts also drop the wheel into exactly the right position every time, creating a transmission that offers flawless shifting and instant gear pick up from the first ride to the last lap of a 24 hour solo.

THE NEXT STEP

While several Attitude models come equipped with disc brakes as standard, we include full disc brake compatibility on every model. This allows the rider to add complete all-weather, all-terrain control as soon as their riding demands it. Tubeless compatible wheels on the Attitude XV also give the option to fit the latest puncture-defying, low pressure UST tires.

ZR9000 ALLOY

SCULPTED CHAINSTAYS

CABLE ROUTING



ATTITUDE: WASABI-STYLE PUNCH, PRECISION AND POWER IN A TRULY ENLIGHTENED BIKE.

ATTITUDE ZR9000 FRAME. THE UNIVERSAL DEFINITION OF HARDTAIL PRECISION AND POWER. ROCK SHOX DUKE RACE FORK. LASER-ACCURATE YET TOTALLY FLUID SUSPENSION. XT STI. REVOLUTIONARY FINGERTIP CONTROL. BONTRAGER RACE TUBELESS DISC WHEELS. SUPER LIGHT AIR-CUSHIONED CONTROL. **BALLET-CLASS AGILE, DOCKYARD TOUGH.**

ATTITUDE XV



ATTITUDE ZR9000 FRAME. BREATHTAKING BEAUTY AND UNPARALLELED PERFORMANCE. ROCK SHOX DUKE XC. **TOUGH, HARD-HITTING FRONT MAN.** XT/DEORE GROUP. TOTAL CONTROL AND TRANSMISSION RELIABILITY. BONTRAGER SELECT DISC WHEEL SET.

ATTITUDE V





K L E I N C U S T O M P R O G R A M

YOU DIDN'T CHOOSE KLEIN BECAUSE YOU WERE AFRAID OF YOUR INDIVIDUALITY,
so why stay within our signature palette or stock specifications?

Klein's global custom program makes your unique passion a reality with 9 custom finishes and a personalization option for true self expression. You can also customize your completed bike with an array of fork, transmission, wheel set, cockpit kit and contact point options for a perfect match to your riding.

Design your bike on our website – www.kleinbikes.com - liaise with your Klein dealer to decide on the optimum Direct Fit frame of your dreams and our expert painters will bring it to life for you as fast as hand-painting allows.

2003 Custom Online: To review the latest custom options and colors visit www.kleinbikes.com.



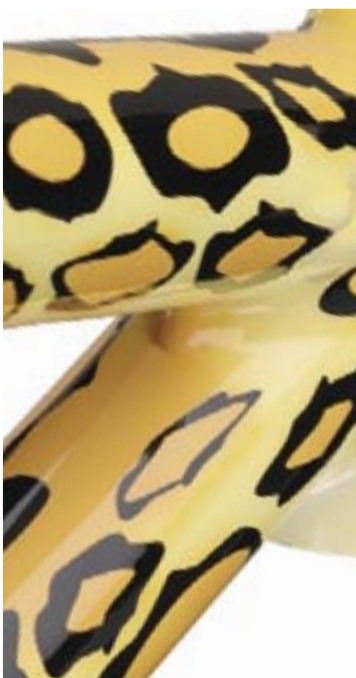
(top, left to right)

HAWAIIAN LEI

WINTER FROST

BUBBLES

SPIKED PUNCH (Runner Up)
Matt Bolt
Palm Beach Gardens, Florida



(bottom, left to right)

24 HOUR SILVER CLOUD
(GLOW IN THE DARK)

JAGUAR

NIGHTSTORM

WAVES & SKY (Runner Up)
Michael Locher
Berkley, California

CUSTOM DESIGN COMPETITION

Every year we invite people the world over to submit their design for the ultimate Klein paint finish. From the hundreds of entries we receive we select top designs to become official Klein custom options for the following model year. If you're one of our chosen few, not only will your design be displayed on our site and literature but you'll also receive a Klein frame bearing your design, with one entry receiving a full bike.

So let your imagination run wild and design the Klein of your dreams. It may well turn into reality. Full details on www.kleinbikes.com.



2004 Custom Online To review the latest custom options and colors visit www.kleinbikes.com

"BONES"
(GLOW IN THE DARK)

Winner, Kevin Maguire, White Plains, NY



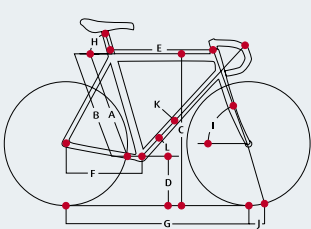
SPECIFICATIONS

	Q-Pro XX	Q-Pro XV	Aura XV	Aura X	Aura V	Palomino XX	Palomino XV	Palomino X	Palomino V	Attitude XV	Attitude V
Colors	Fission	Silver Storm	Blue Linear	Silver Cloud	Bodega Black	Silver Cloud	Bodega Black	Silver Storm	Blue Linear	Blue Linear	Silver Cloud
Sizes	49cm,52cm,54cm,56cm,58cm,61cm	49cm,52cm,54cm,56cm,58cm,61cm	49cm,52cm,55cm,58cm,61cm	49cm,52cm,55cm,58cm,61cm	49cm,52cm,55cm,58cm,61cm	SML,MED,LRG,XLG	SML,MED,LRG,XLG	SML,MED,LRG,XLG	SML,MED,LRG,XLG	XSM, SML, MED, LRG, XLG	XSM,SML,MED,LRG,XLG
Main Frame	Klein ZR9000	Klein ZR9000	Klein ZR9000	Klein ZR9000	Klein ZR9000	Klein Palomino Gradient ZR9000	Klein Palomino Gradient ZR9000	Klein Palomino Gradient ZR9000	Klein Palomino Gradient ZR9000	Klein Gradient ZR9000	Klein Gradient ZR9000
Swingarm/Rear Stays	Carbon Wishbone	Carbon Wishbone	Carbon Wishbone	Carbon Wishbone	Carbon Wishbone	Klein Gradient ZR9000	Klein Gradient ZR9000	Klein Gradient ZR9000	Klein Gradient ZR9000	Klein Gradient ZR9000	Klein Gradient ZR9000
Fork	Klein Aeros 110GSM Carbon	Klein Aeros 110GSM Carbon	Bontrager Race Lite 110GSM bonded Carbon	Bontrager Race bonded Carbon	Bontrager Race bonded Carbon	Fox F100X Terra Logic 100mm	Fox F100 RLT 100mm	Fox Float RL 100mm	Fox Float R 100mm	Rock Shox Duke Race	Rock Shox Duke XC
Rear Shock	N/A	N/A	N/A	N/A	N/A	New Maverick Suspension Air/Oil	New Maverick Suspension Air/Oil	New Maverick Suspension Air/Oil	New Maverick Suspension Air/Oil	N/A	N/A
Headset	Klein Airheadset	Klein Airheadset	Cane Creek Internal, 8.0	Cane Creek Internal, 8.0	Cane Creek Internal, 8.0	Alloy Aheadset, semi-cartridge sealed	Alloy Aheadset, semi-cartridge sealed	Alloy Aheadset, semi-cartridge sealed	Alloy Aheadset, semi-cartridge,sealed	Alloy Aheadset, semi-cartridge sealed	Aheadset, semi-cartridge
Bottom Bracket	Dura-Ace Hollowtech II	Shimano Ultegra	Shimano Ultegra	Shimano 105	Shimano 105	Shimano XTR Hollowtech II	Shimano XT Hollowtech II	Shimano Hollowtech	Shimano Hollowtech	Shimano XT Hollowtech II	Bontrager, Isis splined
Crank	Shimano Dura-Ace 53/39	Ultegra 53/39	Ultegra 53/39	Shimano 105 53/39	Shimano 105 53/39	Shimano XTR 44/32/22	Shimano New XT 44/32/22	Shimano LX 44/32/22	Shimano LX 44/32/22	Shimano New XT 44/32/22	Bontrager Race 44/32/22
Pedals	N/A	N/A	N/A	Shimano M505, clipless	Shimano M505, clipless	N/A	Shimano 520, clipless	Shimano 520, clipless	Shimano 520, clipless	Shimano 520, clipless	Shimano M505, clipless
Front Derailleur	Shimano Dura-Ace	Shimano Ultegra	Shimano Ultegra	Shimano Ultegra	Shimano 105	Shimano XTR	Shimnao New XT	Shimano XT	Shimano LX	Shimano New XT	Shimano Deore
Rear Derailleur	Shimano Dura-Ace 10 speed	Shimano Ultegra	Shimano Ultegra	Shimano Ultegra	Shimano 105	Shimano XTR	Shimano New XT	SRAM RD X.0 1:1 Alloy	Shimano XT	Shimano New XT	Shimano XT
Shifters	Shimano Dura-Ace 10 speed	Shimano Ultegra STI	Shimano Ultegra STI	Shimano 105 STI	Shimano Tiagra STI	Shimano XTR STI Disc	Shimano Deore XT STI Disc	SRAM X9 Trigger	Shimano LX	Shimano New XT STI Disc	Shimano Deore
Cassette	Shimano Dura-Ace 11-23	Shimano Ultegra, 12-25	Shimano HG-70 12-25	Shimano HG-70 12-25	Shimano HG-70 12-25	Shimano XTR 11-34	Shimano XT 11-34	SRAM 970 11-34	SRAM 970 11-34	Shimano XT 11-34	SRAM 970 11-34
Chain	Shimano Dura-Ace 10 speed	Shimano HG-93	Shimano HG-93	Shimano HG-73	Shimano HG-73	Shimano Dura-Ace	Shimano HG-73	Shimano HG-73	Shimano HG-73	Shimano HG-73	Shimano HG-53
Wheel System	Bontrager Race X Lite Road	Bontrager Race Lite Road	Bontrager Race Lite Road	Bontrager Race Road	Bontrager Select Road	Bontrager Race X Lite Disc, tubeless compatible	Bontrager Race Disc, tubeless compatible	Bontrager Race ATB Disc, tubeless compatible	Bontrager Select ATB, disc compatible	Bontrager Race ATB Disc, tubeless compatible	Bontrager Select, disc compatible
Tires	Bontrager Race X Lite 700x23C	Bontrager Race X Lite 700x23C	Bontrager Race X Lite 700x23C	Bontrager Race Lite 700x25C	Bontrager Select, 700x25c	Bontrager Super X Tubeless	Bontrager Super X Tubeless	Bontrager Super X Tubeless	Klein Deathgrip 2.35 Folding	Bontrager Super X Tubeless	Klein Deathgrip 2.35 Folding
Brakes	Shimano Dura-Ace	Shimano Ultegra	Shimano Ultegra	Shimano 105	Shimano Tiagra	Shimano XTR Disc	Shimano New XT Disc	Avid SD-3 direct pull	Avid SD-3 direct pull	Shimano New XT Disc	Avid Single Digit 3
Brake Levers	Shimano Dura-Ace STI	Shimano Ultegra STI	Shimano Ultegra STI	Shimano 105 STI	Shimano Tiagra STI	Shimano XTR STI Disc	Shimano Deore XT STI Disc	Avid FR-1	Avid FR-1	Shimano XT STI Disc	Avid FR-1
Handlebar	Bontrager Race Lite Flat-top	Bontrager Race Lite Flat-top	Bontrager Race	Bontrager Select	Bontrager Select	Bontrager Race XXX Lite Carbon	Bontrager Race	Bontrager Select	Bontrager Select	Bontrager Race	Bontrager Select
Stem	Race Lite 31.8	Race Lite 31.8	Bontrager Race	Bontrager Race	Road Alloy Ahead, flip/flop	Bontrager Race XXX Lite	Bontrager Race	Bontrager Race	Bontrager Race	Bontrager Race	Bontrager Select
Grips	Bontrager Gel Tape	Bontrager Gel Tape	Bontrager Gel Tape	Bontrager Gel Tape	Bontrager Gel Tape	Klein Instinct	Klein Instinct	Klein Instinct	Klein Instinct	Klein Instinct	Klein Instinct
Saddle	San Marco Era Luxe	San Marco Era Luxe	San Marco Era Luxe	Bontrager CRZ Road	Bontrager CRZ Road	Bontrager FS 2000 Cro-mo Rails	Bontrager FS 2000 Cro-mo Rails	Bontrager FS 2000 Cro-mo Rails	Bontrager FS 2000 Cro-mo Rails	Bontrager FS 2000 Cro-mo Rails	Bontrager FS 2000 Cro-mo Rails
Seatpost	Bontrager Race Lite 5mm-offset	Bontrager Race 5mm-offset	Bontrager Race 20mm-offset	Bontrager Sport	Bontrager Sport	Bontrager Race Lite	Bontrager Race	Bontrager Race	Bontrager Select	Bontrager Sport	Bontrager Sport
Options	Triple Version (9 speed) 53/39/30	Triple Version 52/42/30	Triple Version 52/42/30	Triple Version 52/42/30	Triple Version 52/42/30	N/A	N/A	N/A	Disc Version Available Hayes HFX-9 Hydraulic	N/A	Disc Version Available Hayes HFX-9 Hydraulic
Custom Painted Bike or Frame	Yes	No	Yes	No	No	Yes	No	No	No	Yes	No

Specifications are subject to change without notice

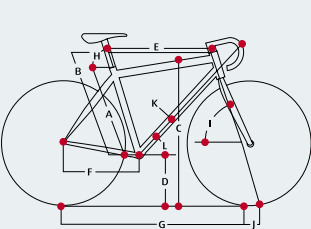
	Size	Typical Rider Height	Seat Tube Center to Top (in /cm)	Effective Seattube (in /cm)	Top Tube Standover (in /cm)	Bottom Bracket (in /cm)	Effective Top Tube Length (in /cm)	Chainstay Length (in /cm)	Wheelbase (in /cm)	Fork Rake* (in /cm)	Fork Travel (mm)	Seat Tube Angle	Head Tube Angle	Trail (in /cm)
			A	B	C	D	E	F	G			H	I	J
Q-Pro XX Q-Pro XV	49cm	5'3" - 5'6"	19.5/49.5	20.4/51.9	28.6/72.6	10.2/26.0	20.7/52.6	16.3/41.4	38.1/96.7	1.6/4.1	N/A	74.0°	72.5°	2.5/6.3
	52cm	5'5" - 5'8"	19.7/50.0	21.2/53.8	28.7/72.9	10.4/26.3	21.5/54.7	16.3/41.4	38.7/98.2	1.6/4.1	N/A	73.5°	72.7°	2.4/6.2
	54cm	5'8" - 5'11"	22.4/56.9	21.9/55.7	30.7/78.1	10.4/26.5	22.0/56.0	16.3/41.4	39.2/99.6	1.6/4.1	N/A	73.5°	72.8°	2.4/6.1
	56cm	5'10" - 6'1"	22.7/58.1	22.7/57.7	31.7/80.5	12.5/31.7	22.5/57.2	16.3/41.4	39.1/99.2	1.4/3.5	N/A	73.5°	73.9°	2.4/6.0
	58cm	6'0" - 6'3"	24.0/61.0	23.5/59.8	32.4/82.4	10.6/26.9	23.1/58.7	16.3/41.4	39.6/100.5	1.4/3.5	N/A	73.3°	73.9°	2.4/6.0
	61cm	6'3" - 6'6"	24.9/63.2	24.7/62.8	33.7/85.5	10.2/27.2	23.9/60.6	16.3/41.4	40.4/102.5	1.4/3.5	N/A	73.3°	74.0°	2.4/6.0
Aura XV Aura X Aura V	49cm	5'2" - 5'5"	19.5/49.6	20.7/52.7	28.3/71.8	10.2/26.0	20.9/53.0	16.3/41.4	38.4/97.6	1.8/4.5	N/A	73.3°	72.0°	2.4/6.2
	52cm	5'4" - 5'7"	19.7/50.0	21.7/55.0	28.6/72.6	10.2/26.0	21.5/54.4	16.3/41.4	38.9/98.7	1.8/4.5	N/A	73.3°	72.5°	2.3/5.9
	55cm	5'8" - 5'11"	20.0/50.8	22.8/57.9	29.2/74.1	10.4/26.3	22.2/56.5	16.3/41.4	39.3/99.9	1.8/4.5	N/A	73.0°	73.0°	2.2/5.6
	58cm	5'9" - 6'2"	20.7/52.5	24.0/60.9	29.9/76.0	10.4/26.3	2.0/58.5	16.3/41.4	39.8/101.0	1.8/4.5	N/A	73.0°	73.5°	2.1/5.3
	61cm	6'1" - 6'6"	21.7/55.2	25.2/63.9	30.9/78.6	10.4/26.5	23.8/60.5	16.3/41.4	40.4/102.5	1.8/4.5	N/A	72.5°	73.5°	2.1/5.3
Palomino XX Palomino XV Palomino X Palomino V	SML	5'4" - 5'7"	16.9/43.0	21.9/55.7	29.5/74.9	12.2/31.0	22.4/56.8	17.3/43.9	42.8/108.8	1.5/3.8	100.0	75.8°	71.0°	2.9/7.4
	MED	5'8" - 5'11"	17.4/44.3	22.5/57.1	29.9/76.0	12.2/31.0	22.6/57.5	17.3/43.9	43.2/109.8	1.5/3.8	100.0	76.0°	71.0°	2.9/7.4
	LRG	5'9" - 6'2"	18.1/46.1	23.3/59.1	30.6/77.6	12.2/31.0	23.0/58.4	17.3/43.9	43.6/110.8	1.5/3.8	100.0	75.9°	71.0°	2.9/7.4
	XLG	6'1" - 6'6"	20.3/51.5	24.8/63.1	32.5/82.5	12.2/31.0	23.4/59.4	17.3/43.9	44.0/111.7	1.5/3.8	100.0	75.5°	71.0°	2.9/7.4
Attitude XV Attitude V	XSM	5'2" - 5'5"	14.0/35.5	21.9/55.6	26.3/66.9	11.4/29.0	21.7/55.1	16.4/41.6	40.0/101.7	1.5/3.8	80.0	72.8°	70.2°	3.0/7.6
	SML	5'4" - 5'7"	15.7/40.0	22.4/56.8	28.0/71.0	11.6/29.5	22.6/57.4	16.4/41.6	40.8/103.7	1.5/3.8	80.0	72.8°	70.8°	2.9/7.3
	MED	5'8" - 5'11"	17.5/44.4	22.2/56.4	29.2/74.1	11.8/30.0	23.4/59.5	16.4/41.6	41.5/105.5	1.5/3.8	80.0	72.8°	71.3°	2.8/7.0
	LRG	5'9" - 6'2"	19.9/48.8	22.9/58.2	30.6/77.6	11.9/30.2	24.1/61.1	16.4/41.6	42.2/107.2	1.5/3.8	80.0	72.8°	71.4°	2.7/6.9
	XLG	6'1" - 6'6"	22.0/53.3	24.4/61.9	32.2/81.9	12.0/30.5	24.7/62.7	16.4/41.6	42.9/109.0	1.5/3.8	80.0	72.8°	71.4°	3.9/9.9

Q-Pro



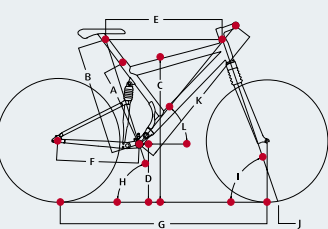
Line drawings correspond to chart dimensions

Aura



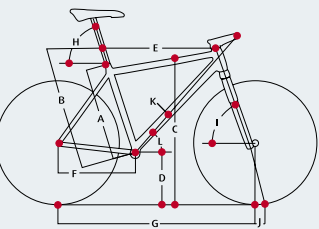
Line drawings correspond to chart dimensions

Palomino



Line drawings correspond to chart dimensions

Attitude



Line drawings correspond to chart dimensions

DIRECT FIT

Direct Fit was developed by Gary Klein who felt that having a rider stand over a top tube wasn't a very scientific approach to fitting a person on a bike. As a result, Klein invented a system that many in the industry have embraced over time. Klein's Direct Fit philosophy analyzes how your body interacts with a bicycle to optimize comfort and fit. Klein continues to pursue this as a universal measuring/fit approach to improve upon and possibly replace the industry's norm.

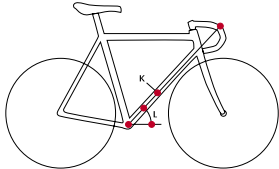
Direct Fit measures the distance between one's hand position on the handlebars to the center of the bottom bracket (see diagram). Once you have this measurement, record it. It will never change no matter what bike you are on; no matter what position you are in throughout the pedal stroke. This distance remains a constant, on or off the saddle.

The included angle created by the Direct Fit line and the horizontal line of the ground helps determine the rider's desired posture depending on the intended use of the bike. If it's an acute angle, your back is flatter and your goal is an aggressive road racing posture. As the angle opens, the rider's posture becomes less aggressive and more relaxed.

Proper fit is essential to performance and endurance. Be sure to work with your local dealer when purchasing a Klein bicycle.

DIRECT FIT (MM)/DIRECT FIT ANGLE (K AND L)

Q-Pro	49 769/49.8° 769/49.8°	52 779/48.4° 779/48.4°	54 815/48.2° 815/48.2°	56 842/48.3° 842/48.3°	58 871/48.6° 871/48.6°	61 889/49.2° 889/49.2°
	49 778/49.2° 787/50.1° 787/50.1°	52 790/48.5° 799/49.4° 799/49.4°	55 832/48.7° 838/49.8° 838/49.8°	58 869/49.0° 876/50.2° 876/50.2°	61 894/49.9° 901/51.0° 901/51.0°	
	XS N/A N/A N/A	SML 809/51.5° 816/51.7° 811/51.8°	MED 825/50.3° 827/50.7° 827/50.7°	LRG 843/51.4° 843/51.4° 843/51.4°	XLG 876/52.9° 878/53.1° 882/52.9°	
Palomino						
Attitude	XSM 768/54.4° 768/54.4°	SML 795/52.5° 795/52.5°	MED 820/50.6° 820/50.6°	LRG 839/50.8° 839/50.8°	XLG 884/51.6° 884/51.6°	



Direct Fit (K) The distance from the center of the bottom bracket spindle to the rider's hand position.
Direct Fit Angle (L) The angle created by the "Direct Fit" line and the horizontal line of the ground.

Visit your Klein dealer for more information about Klein's Direct Fit or visit: www.kleinbikes.com.

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