'04

K L E I N

Q-PRO XX

Q-PRO XV

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 X

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

X

AURA V

PALOMINO XX

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

SE.
LE.

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

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

TI.
H.

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

SPECIFICATIONS

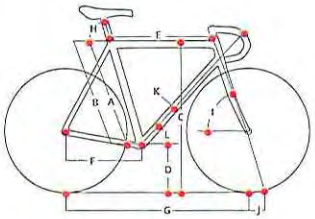
	Q-Pro XX	Q-Pro XV	Aura XV	Aura X	Aura V	Palomino XX	Palomino XV	Palomino X	Palomino V	Attitude XV	Attitude V
Colors	Fission	Silver Storm	Blue Linear	Silver Cloud	Bodega Black	Silver Cloud	Bodega Black	Silver Storm	Blue Linear	Blue Linear	Silver Cloud
Sizes	49cm,52cm,54cm,56cm, 58cm,61cm	49cm,52cm,54cm,56cm, 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 LX	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	SRAM 970 11-34	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	Shimano HG-73	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	Bontrager Select ATB, disc compatible	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	Klein Deathgrip 2.35 Folding	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	Avid SD-3 direct pull	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-5 direct pull	Avid FR-1	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	Bontrager Select	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 Race	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	Klein Instinct	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	Bontrager FS 2000 Cro-mo Rails	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 Select	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	Disc Version Available Hayes HFX-9 Hydraulic	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	No	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

FRAME GEOMETRIES

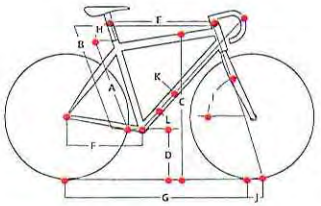
	Size	Typical Rider Height	Seat Tube Center to Top (in./cm) A	Effective Seattube (in./cm) B	Top Tube Standover (in./cm) C	Bottom Bracket (in./cm) D	Effective Top Tube Length (in./cm) E	Chainstay Length (in./cm) F	Wheelbase (in./cm) G	Fork Rake° (in./cm)	Fork Travel (mm)	Seat Tube Angle H	Head Tube Angle I	Trail (in./cm) J
Q-Pro XX	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
Q-Pro XV	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"	22.9/58.1	22.7/57.7	31.7/80.5	10.5/26.7	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	10.7/27.2	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	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
Aura X	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
Aura V	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	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
Palomino XV	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
Palomino X	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
Palomino V	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	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
Attitude V	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"	19.2/48.8	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



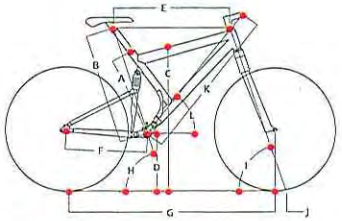
Line drawings correspond to chart dimensions

Aura



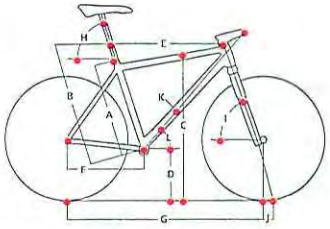
Line drawings correspond to chart dimensions

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.

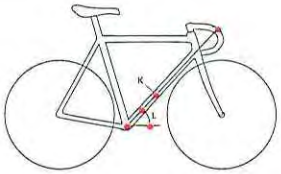
Direct Fit measures the distance between one's hand position on the handlebars to the center of the bottom bracket (see diagram). Once you have this measurement, record it. It will never change no matter what bike you are on; no matter what position you are in throughout the pedal stroke. This distance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

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