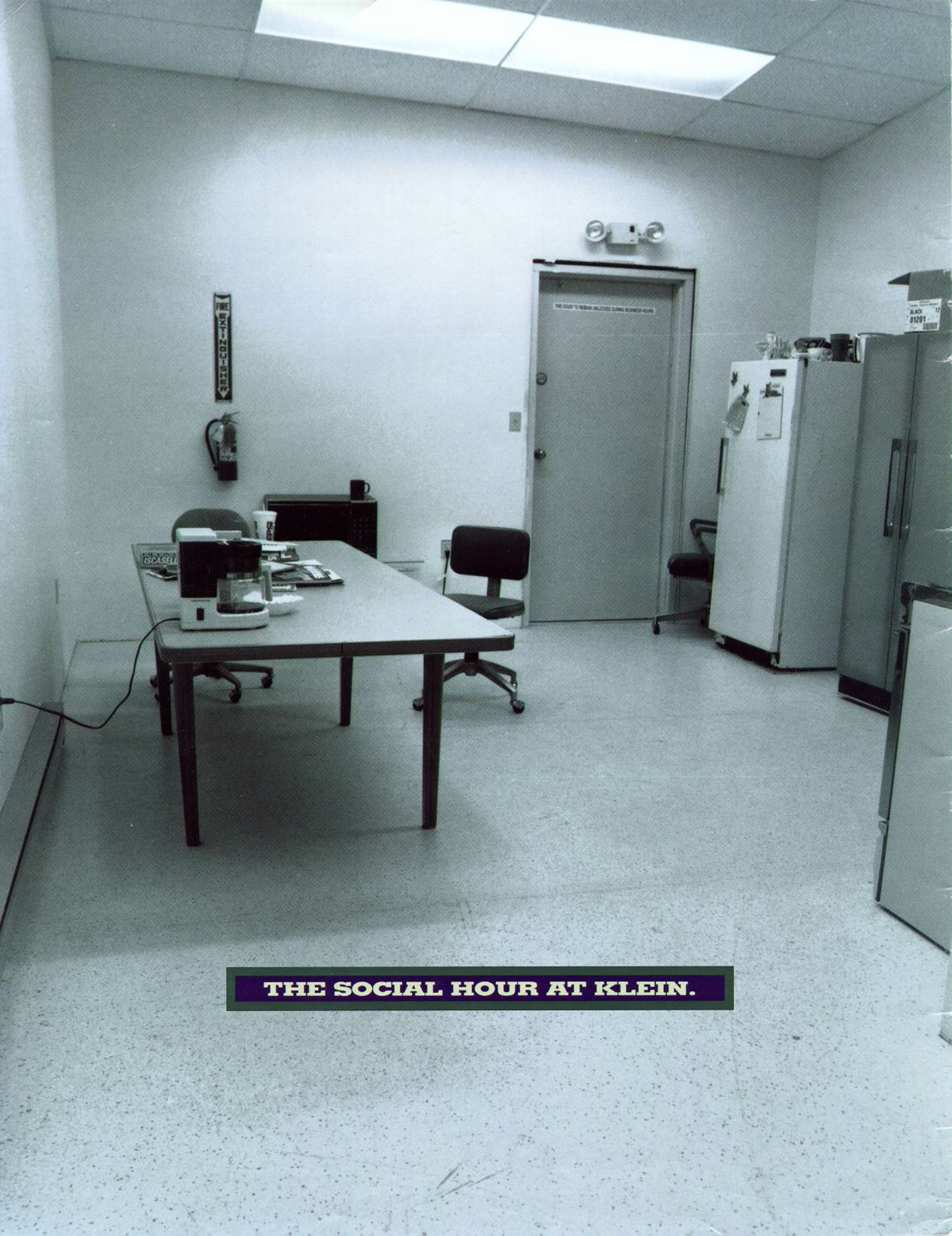

KLEIN BICYCLES 1994



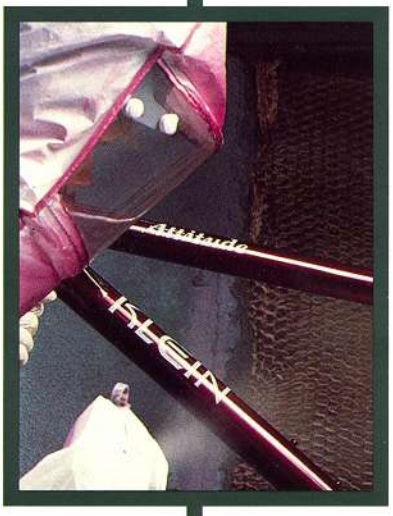
THE SOCIAL HOUR AT KLEIN.

As much as this is a catalog about bikes, it's also a catalog about priorities.

So, even if we do want to relax and tip a fluid replacement drink with our co-workers, we never let it interfere with the one priority that eclipses all others at Klein:

Building the best road and mountain bikes in the world.

In theory, how that happens is simple: come up with good ideas, then go off and build them. In practice, it's not quite so easy.



You have to know what makes a bike great, and to do that you have to ride. Klein is staffed with current and ex-pro racers, serious amateurs, and others termed "enthusiasts" by market research types (we prefer "hard-core bike weenies" ourselves).

You have to design, and test, and redesign, and retest. Doing that right takes engineers, good ones. Our team is led by a fellow named Gary Klein, out of MIT. Gary built his first frame 20 years ago because he wasn't satisfied with the state-of-the-art. Today he's still not satisfied, even though much of the state-of-the-art is his.

Last and far, far from least, you have to make the product. And it's here that you really see why we don't have much time to socialize:

We build every component of every frame by hand. We heat-treat every complete frame and align it perfectly. We carefully miter and form our tubes to fit better and distribute stress more evenly.

In addition, all of our bottom brackets are maintenance-free.

Our high-penetration TIG welds are nearly invisible.

Our finish is long-lasting Durethane enamel, painstakingly applied to each frame by hand.

This is the process that yields innovations like the new Quantum Pro and Aeolus racing bikes, Adroit and Attitude mountain bikes, and the ultra-reliable Airhead Set™ system.

It's what lets us offer a million-mile warranty.

It's why it takes us 21 days to build a single bicycle.

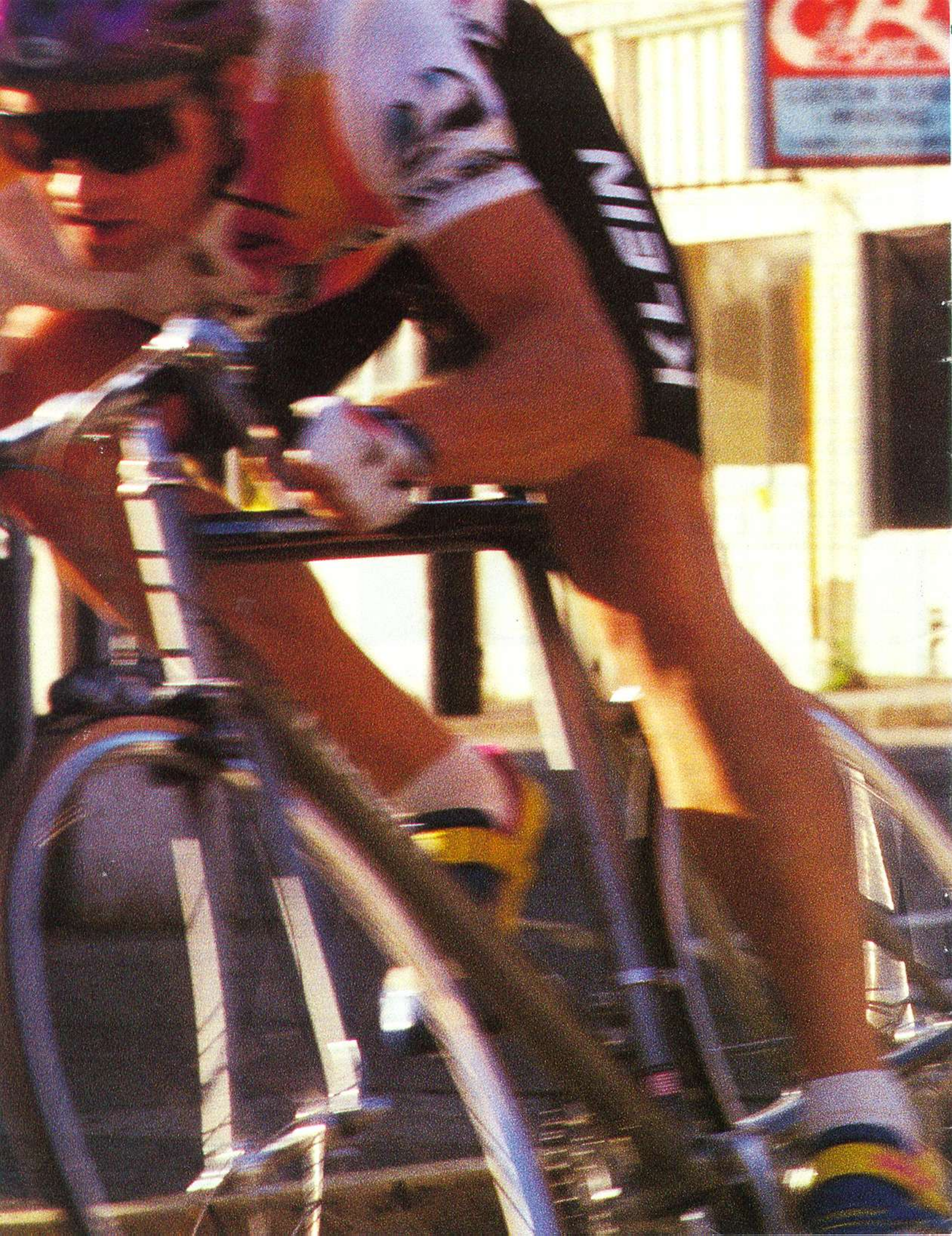
And it's why a Klein is the most efficient, sweetest-riding bike you'll ever throw a leg over.

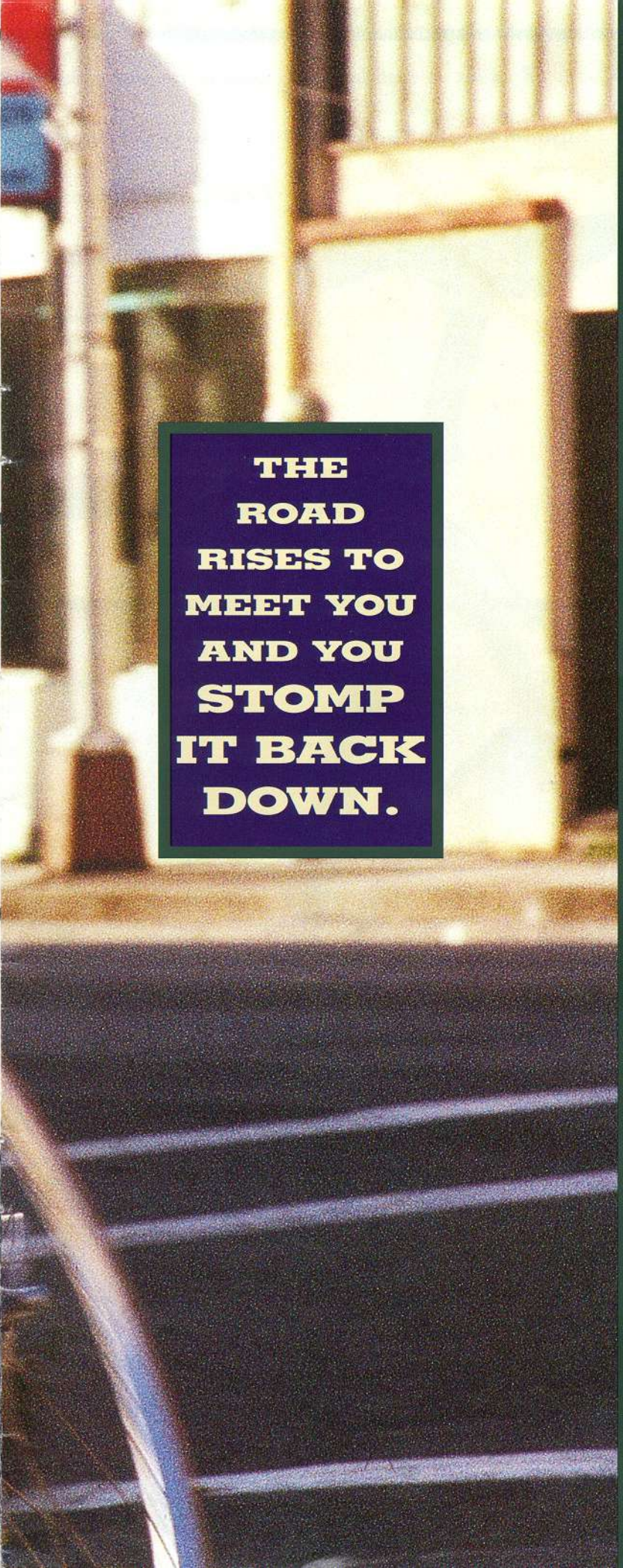
Now if we weren't busy doing all of this, we might sit back and enjoy that fluid replacement drink with our colleagues. Then again, we'd probably go for a ride instead. And guess what.

If you had a Klein, you would too.

Nothing Else Even Comes Close.

KLEIN



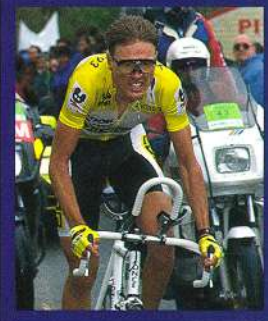


THE ROAD RISES TO MEET YOU AND YOU STOMP IT BACK DOWN.

Sometimes the road is a romantic, peaceful place. Other times, it's a place you wish to reduce to a smoking pile of charred rubble.

Fortunately, we make exceptional bikes for both.

Our full-on competition machines are the new Quantum Pro and Quantum II criterium racers, and the Aeolus time-trial bike. They offer the highest stiffness-to-weight ratios, and we feel the best riding characteristics, of any bicycles in their class.



Alex Zulle beating traffic on his Klein EPG Quantum.

They're also the bikes top competitors like world-champion duathlete Mat Brick and the number-one rated ONCE race team ride.

For those whose outlook isn't quite so fanatical, we offer the Quantum and new Quantum Z. And if you crave a quick century ride or a nice day of touring, the Performance and Panache are ideal.

In designing these bikes, we study riders of all shapes and sizes in their riding environments. We then configure each frame geometry to put you in the most efficient, powerful, and comfortable position possible.

The result: fast, responsive bicycles that do what you want, when you want, for as long as you want.

Whether you prefer cruising down the road. Or stomping it into submission.

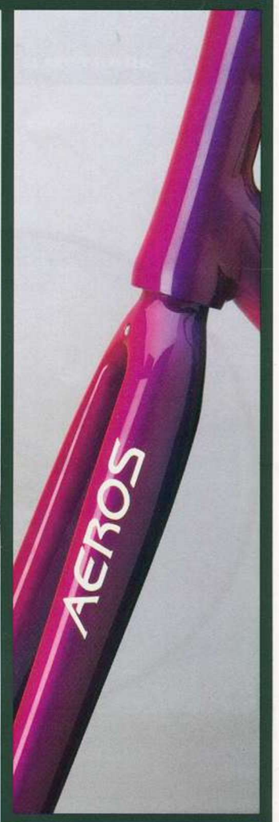
CASUAL RIDERS WON'T LIKE IT. IT'S NOT A CASUAL BIKE.

QUANTUM PRO



In fact, it's as far from casual as you can get. Our new Quantum Pro criterium racer is built for flat-out, hub-to-hub competition at the highest levels. The frame tubing is Gradient 9320, a proprietary new alloy. It's incredibly strong, and impossibly light: the frame weighs just 2.7 pounds. We added our ultra-light single-piece Airhead Set and wind-slicing Aeros composite fork to achieve a Fuselage* weight of only 3.9 pounds. To distribute force evenly around the frame, we used supersized tubing with progressively reinforced walls, and ovalized the top tube. The result is a smooth, aerodynamic bike with almost no bottom-bracket flex. The handling is quick yet stable, the acceleration and responsiveness electrifying. The Klein Quantum Pro. It's definitely not casual. But then, are you?





Extremely light, extremely strong, and very slippery: the 300 gram Aeros composite fork.

Criterium race geometry · Gradient 9320 tubing · Aeros fork · Airhead Set · Micro Dropouts™ · Fuselage: 3.9 pounds*

***Frame, headset, fork, neck and seat clamp (see page 27 for more info)**

THE ENERGY BARS WEAR OFF, YOUR LEGS DIE, AND YOU THANK GOD YOU'RE ON A KLEIN.

QUANTUM II

The Quantum II is another example of our devotion to the unimpeded transfer of kinetic energy. It has the same aggressive geometry as the Quantum Pro, and a spectacularly low Fuselage weight of 4.6 pounds. It has many of the same design features as well, such as an ovalized top tube, internally-routed cables, and self-guiding, quick-change Micro Dropouts that weigh just 60 grams. The result is a bike that wastes no energy, or time, getting down the road. Just ask the ONCE race team, who ride their toughest, steepest stages on custom-fitted EPG Quantums.



Criterium race geometry · Gradient 9320 tubing · Micro Dropouts · Fuselage: 4.6 pounds



QUANTUM



Criterium race geometry · Gradient 9320 tubing · Fuselage: 5.4 pounds

You take the original Quantum for a spin and discern that, while not quite as exotic (i.e., expensive) as the Pro or the II, it certainly moves down the road. Born for competition, it's a favorite of triathletes, duathletes, and criterium racers. The feel is light and quick, the acceleration immediate. If you're just getting into racing or need an everyday training bike, the Quantum is a good choice. An excellent choice, in fact: Mat Brick rode a Quantum to two Duathlon World Championship titles.

QUANTUM Z



Criterium race geometry · Green Nebula or Candy Red Durethane finish · Fuselage: 5.4 pounds

A new Quantum that also happens to be our most affordable. The Quantum Z offers the same race-bred performance as the original Quantum: same geometry, same features, same response and feel. In fact, the only difference is finish detail, which allows us to offer the Z at a lower price. But since the finish is still better than 99% of the bikes you'll ever see, you probably won't be able to tell the difference. Especially at 40 miles per hour.

OUR FRAMES ARE GUARANTEED TO BE IN PERFECT ALIGNMENT. OUR CARS ARE NOT.

Bounce up the rutted path called Klein Road and you surmise that driveway maintenance ranks with socializing on our list of priorities. So let's talk about something we do care about: frame alignment. A perfectly aligned frame tracks straight and true, wastes none of your energy, and handles and shifts better. It also takes more time and money to achieve than most companies are willing to spend. At Klein, each frame is hand aligned to hundredths of a millimeter, then heat-treated to lock the metal into place. It's one reason our bikes ride as well as they do. And one reason our cars don't.



PRESENTING THE FASTEST SWIMSUIT DRYER ON EARTH.

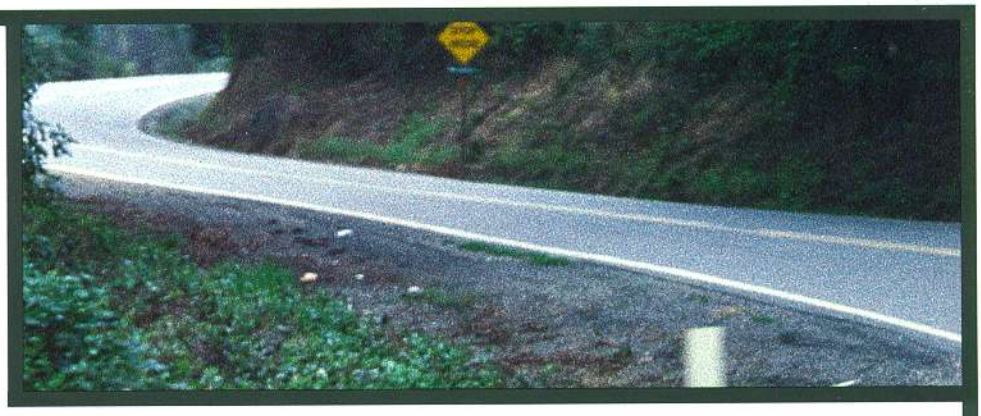
AEOLUS

Shortly after coming out of the water and jumping on your Klein Aeolus, you notice two things. One, you're going very fast. And two, you're a lot drier. We've taken a super-quick time-trial geometry and tweaked it for high-speed stability. The chainstays and seatstay are tighter than usual, the main triangle is longer. So when you're blowing by people (in cars), you're on a steady wheelbase of over 40 inches. You're also in a comfortable, efficient aero position. And like most things that go this fast, the Aeolus is light: the Fuselage weighs 4.3 pounds. If you're a triathlete or time-trials rider looking to shave minutes, you'll appreciate that. Not to mention the money you'll save on your heating bill.





High-speed aero geometry · Gradient 9320 tubing · Campagnolo Shamal wheels
Micro Dropouts · Fuselage: 4.3 pounds



Fifty miles out, when your fellow riders are thinking about the sofa, you'll be thinking what a great time you're having. Because you're on a Klein Performance. The quintessential touring bike, the Performance combines a relaxed geometry and generous wheelbase with the responsiveness of a racing bike. So not only do you move down the road faster, you do it with less fatigue. Which means after you flash the first fifty miles of your century ride, you really only have one regret: there are only fifty more to go.

IT TAKES AWHILE TO FULLY APPRECIATE THIS BIKE. ABOUT A CENTURY.

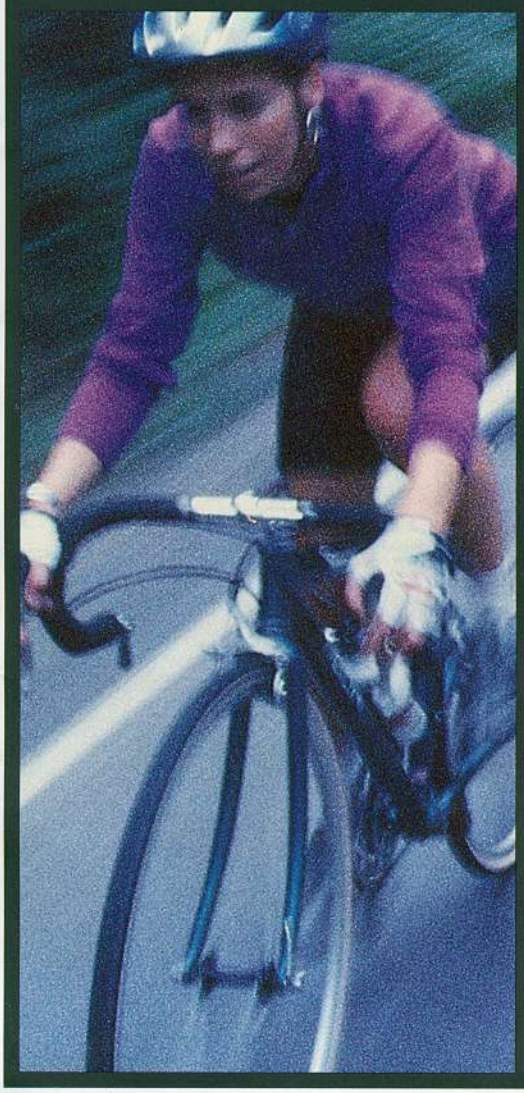
PERFORMANCE



Touring geometry · Rack-mount eyelets · Fuselage: 5.4 pounds



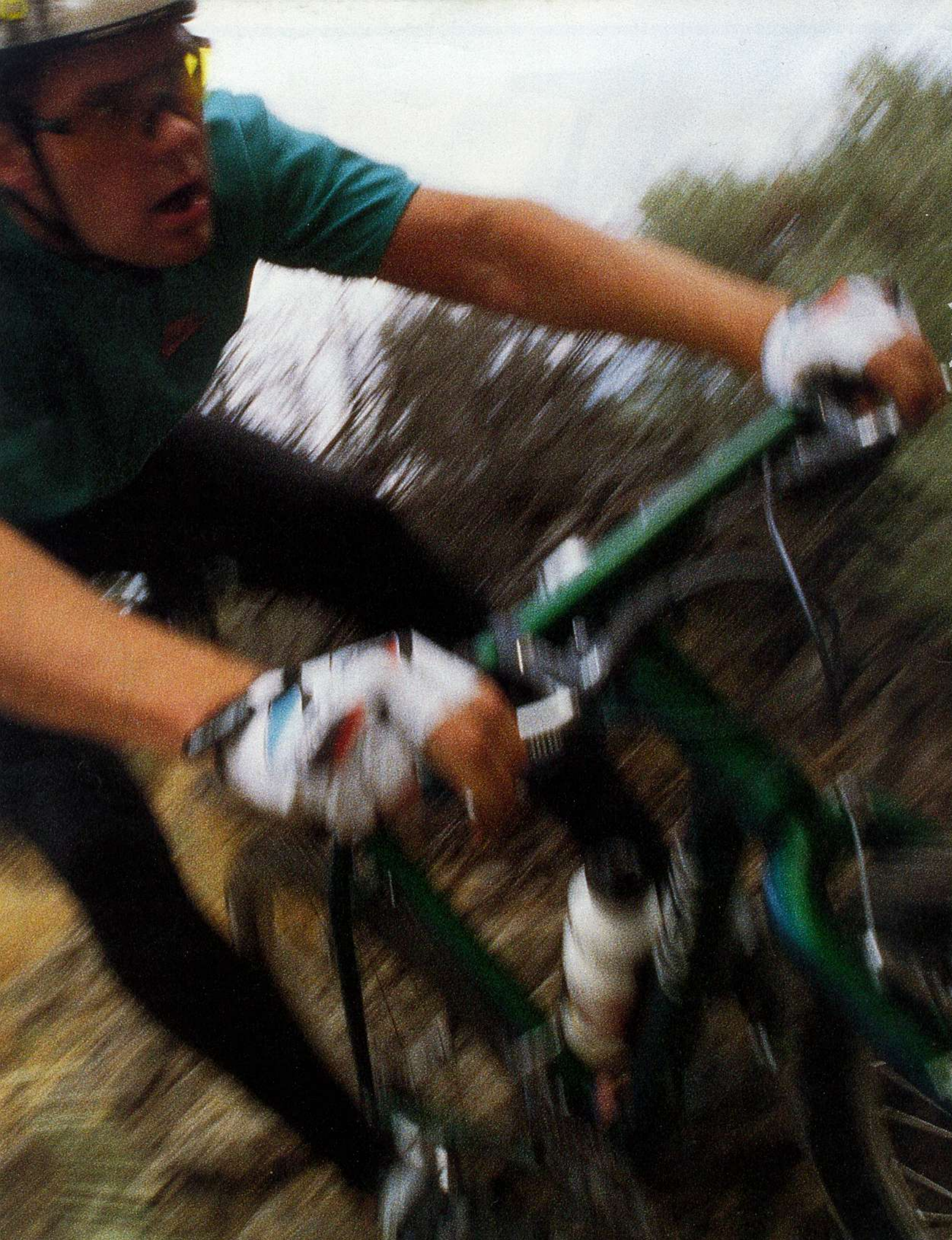
Touring geometry · Rack-mount eyelets · Accommodates 700c wheels · Fuselage: 4.9 pounds



IT HAS A MILLION-MILE WARRANTY. YOU MAY WANT AN EXTENSION.

PANACHE

It's called the Klein Panache. And while its stature is small, its performance is anything but. The Panache is a lightweight touring bike designed for riders 5'3" and under. Like all Kleins, the frame is efficient and responsive, channeling all of your energy into fast forward motion. At the same time, a top tube height of 27" and wheelbase of just over 38" keeps you stable, centered, and comfortable. All of which makes the Panache superb for extended touring, racing, or fitness riding. And we do mean extended.



THE BEST BIKES ON EARTH. AND THE MOUNTAINS OF RESEARCH TO PROVE IT.



When designing an off-road bike, Klein engineers use powerful computers. Sophisticated testing instruments. And some of the craggiest mountains in the lower forty-eight:

The Cascades, home of lovely 13,000 foot peaks that tend to blow up from time to time.

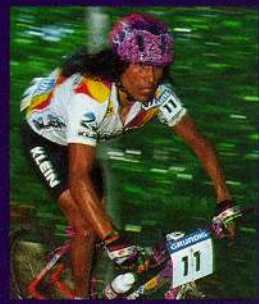
Sure it's a great place to ride. It's also a great place to dream up ways to make our bikes better. And then thrash them daily, to make sure they work.

Take tubing technology. Klein mountain bikes show almost no flex at key stress points, yet they have a surprisingly supple feel. Why? One, our alloys are among the lightest and strongest made. And two, our tubesets are designed to distribute force optimally around the frame.

You learn how to do things like that after 20-odd years of seat-of-the-shorts research.

You also learn how to make headsets and bottom brackets maintenance-free, chainstays and dropouts work better, forks lighter, stronger, and more precise, and even how to improve the humble seat collar: witness our new Zip Grip™ collet system.

If you want further proof of how good our bikes are, watch pros like Tinker Juarez and Sara Ellis win races on them week in and week out. Then again, you can always go do some mountains of research of your own.



Tinker Juarez, competition-crushing NORBA pro and all-around nice guy, rides a Klein Adroit.



ONE MILE UP.
THIRTY-SEVEN MILES
AN HOUR DOWN.

ADROIT

It's a basic law of nature: what goes up, must come down. A law best obeyed on the Klein Adroit. Point an Adroit up and you'll appreciate the fact we lightened an already trim frame. Stiffened and shortened the chainstays to improve power transfer at the rear wheel, while increasing tire clearance. And used supersized, progressively reinforced Gradient 9320 tubing to channel all your energy into reaching the top. Which is where the real fun begins. Point the Adroit down and you'll love the supple, precise ride of its new Strata fork. The added control of the new Airhead Set and MC2 bar stem. And the high speed sure-footedness of a perfectly aligned, perfectly tuned race frame. All of which proves you don't have to break laws to have fun and win races. You just have to stretch them.





Our new Airhead Set™ is very light, very stiff, and needs no maintenance. The new MC2 bar stem is lighter, stronger and has a quick-release noodle. Both are on the Adroit and Attitude.

It could make you forget about suspension: the strong, supple Strata fork is made of very light alloy, reinforced with Klein composite.



Gradient 9320 tubing · Strata fork · Airhead Set · MC2 bar stem · Zip Grip seat collar · Micro Dropouts · Fuselage: 4.9 pounds*

*Frame, headset, fork, neck and seat clamp (see page 27 for more info)

MOST COMPANIES HIDE FLAWS WITH PAINT. WE PREFER STICKERS.



At Klein, the slightest flaw is cause for rejection. It might be a tiny bubble in a weld, or a tube that's a fraction of a millimeter off. Sure, we could just spray on a few coats of Durethane, and nobody would know but us. But when the prevailing attitude is "perfection or nothing", that just doesn't happen. It's why a Klein takes 21 days to build. It's also why Kleins ride better and last longer than other bikes. This kind of behavior may seem fanatic to some. But to us, it's just business as usual.

TWENTY MILES OF KILLER SINGLE-TRACK, AND ALL YOU REMEMBER IS THE BIKE.

ATTITUDE

In this case a lapse of memory is completely understandable, given the fact you're on a Klein Attitude. Built for racing and hard-core recreational riding, the Attitude has much in common with another unforgettable bike, the Adroit. It's extremely responsive, thanks to a Gradient 9320 frame that has negligible flex. We made it climb better by shortening and stiffening the chainstays. Our new Airhead Set increases durability, while helping reduce overall frame weight by nearly a pound. And the handling is quicker and more stable than ever. All of which makes the Attitude very fast and very fun. And trails very hard to remember.



The quick-adjust Zip Grip seat collar clamps uniformly to prevent post fatigue. It looks cool too.



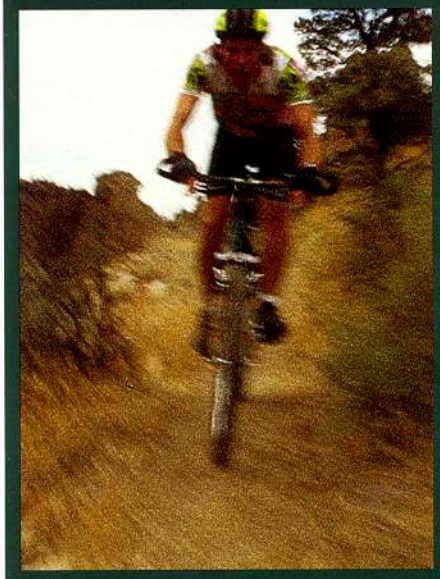
New diagonal Micro Dropouts automatically center the axle, saving busy riders valuable time (and cursing).



Gradient 9320 tubing · Lawwill Leader or Rock Shox Mag 21 SL/TI (optional) · Airhead Set · Zip Grip seat collar Micro Dropouts · Fuselage: 5.2 pounds

YOU RIDE IT TO ENJOY THE SCENERY. YEAH, RIGHT.

PULSE



Our new Pulse will take you to some of the most beautiful places on earth. It's just that at 30 or 35 miles an hour, they look a little blurry. The Pulse is designed to accept suspension forks without compromising handling and control (in fact, it's only offered with suspension). Oversized, butted tubing and shorter chainstays minimize flex and maximize climbing power. On fast descents, the forks smooth out the nastiest bumps. And our DeathGrip tires dig like nothing you've ever ridden. So check out the new Pulse. And if you want to enjoy the scenery, try this neat little trick: stop.

Sleeker, more aerodynamic dimples reduce cable drag on the Pulse, Attitude, and Adroit.

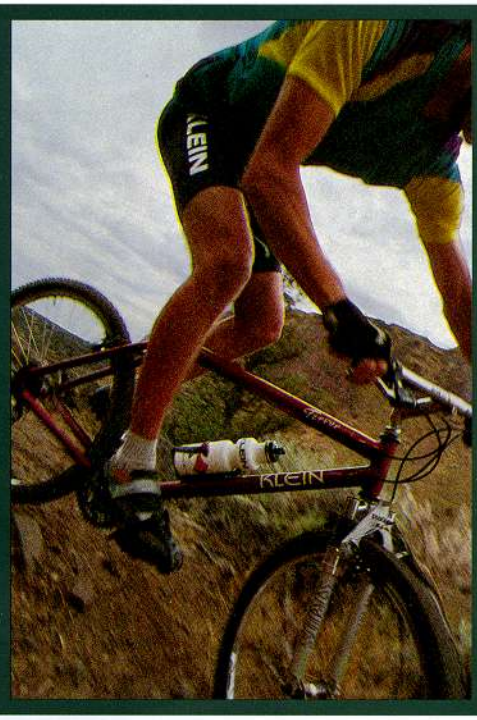




Stratum™ bar · Lawwill Leader, Rock Shox Mag 21 SL/TI, or Tange Struts · Zip Grip seat collar
Micro Dropouts · Fuselage: 6.1 pounds (Mag 21 SL/TI; weight varies with fork)

This answering machine needs no electricity. It has a race-ready, heat-treated aluminum alloy frame guaranteed to be in perfect alignment. It comes with high-traction DeathGrip tires, horizontal rear dropouts, and a Shimano STX Special Edition component group. It's got a maintenance-free bottom bracket, patented, stress-absorbing chainstays, and an incredible finish. It's wearing a big fat Klein logo and a not-so-fat price tag. And it's guaranteed for life or a million miles, whichever comes first. Which means that as long as nature keeps calling, your Klein Fervor will be around to take the message.

NATURE KEEPS CALLING. GET AN ANSWERING MACHINE.



FERVOR



Shimano STX Special Edition or Shimano LX group · Tange Struts optional · Fuselage: 6.4 pounds



Mission Control bar stem · DeathGrip tires · Fuselage: 6.75 pounds

Let's face it. Charging down some twisted trail in funny shorts with mud splatting on your face isn't exactly mature behavior. And the best way to channel all of that youthful exuberance? A Klein Pinnacle. A classic all-purpose mountain bike that goes from fire roads to technical single-track without missing a beat. The frame is quick enough for tight, fast riding, comfortable enough for casual back-country touring. It has many of the features you'll find on our racing bikes, like a reinforced head tube and internally-routed cables. And it comes with nice extras such as a Mission Control bar stem, Instinct grips, and high-traction DeathGrip tires. The Klein Pinnacle. We can't think of a better excuse not to act your age. *Right around 12.

DON'T ACT YOUR AGE. ACT YOUR BOTTOM-BRACKET HEIGHT.*

PINNACLE

After all, you're on the finest dual-purpose bike available: the Klein Adept. On the asphalt, the Adept is a remarkably responsive and well-behaved touring bike. The frame is smooth and stable at high speeds, and offers plenty of comfort on long rides. And when the asphalt turns to dirt, the Adept is just as happy. With its supersized headset, progressively reinforced tubing, and multi-purpose 700 CX component group, the Adept will chew up mile after mile of fire road or woodsy trail (or cyclocross course, if you're so inclined). And as you might guess, this same combination makes the Adept an excellent choice for commuting. Whether you're on Second Avenue, or the second trail past the big oak on the right.

WHAT DO YOU DO WHEN THE ASPHALT ENDS? ACCELERATE.

ADEPT





Mission Control bar stem · Rack-mount eyelets · Fuselage: 5.9 pounds



How to make a statement before you climb on your bike: put on a stylish Klein race cap.



Our six-panel Lycra cycling shorts come in any color you want, as long as it's black. Sizes S, M, L, XL.



Don the official Klein race jersey and storm clouds begin to gather — over other riders. Add a matching custom-painted frame and helmet, and they may just hand you the first-place trophy. Jersey sizes S, M, L, XL.



Impossibly light and strong, our Stratum mountain bars combine Klein engineered composite with tough aluminum alloy at key stress points. The Stratum 90 is a 580mm straight bar that weighs only 90 grams. The Stratum 130 has reinforced tips to support bar ends. Our new Bullhorn adds comfort but not much mass: it's only 185 grams. All offer superior feel and telepathic control.



Klein Instinct™ Grips are generously cushioned against dynamic shock, have anti-slip DeathGrip ribbing, and weigh just 88 grams a pair.



Handlebar and bar stem in one super-light, super-strong unit. Our Mission Control™ system reduces torsion to give you better control and trail feel, while lowering overall frame weight. A variety of configurations give you a perfect fit: select a 90mm, 120mm, 135mm, or 150mm extension, rise or no-rise, in stem sizes of 7/8", 1", or 1-1/4". Alloy with a titanium bolt. For the best fit, see your Klein dealer.





Perfect for a casual day of riding (the bike or the sofa): our 100% heavy cotton long-sleeve mock turtleneck jersey. Gray with an embroidered Klein logo.
Sizes M, L, XL.

Like riding on air, except air doesn't have the tensile strength of advanced aluminum alloy. At just 410 grams, our new Meta 26" mountain bike rims and Beta C 700C road rims are two of the lightest ever made. They're also two of the strongest, because they're built from Gradient 9320 alloy. And they offer handy features like large braking surfaces and deep channels for no-tool installation of Kevlar or wire-beaded tires.



Made for hydrating on the fly, our water bottle has an easy open, wide-diameter spout and a debossed grip band. Our cage is tough composite and weighs only 62 grams.



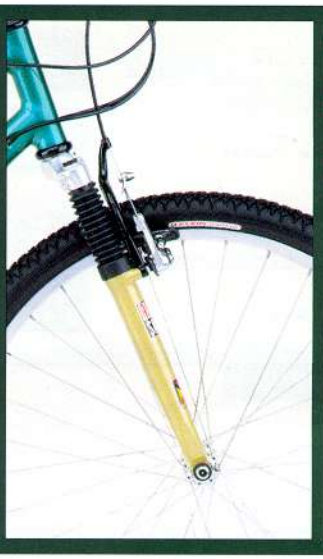


They bite so you don't. The lightest high-performance tires available, Klein DeathGrips provide unprecedented grip in dirt, sand, loose gravel, and mud. As well as excellent off-angle traction, shock absorption, and fluid dynamic cleaning (in other words, they don't plug up with muck). 127 TPI casing for suppleness, Kevlar bead for strength. In 2.1 and 2.35 sizes for 26" rims.

FORK OPTIONS

Good for keeping your eyes in their sockets: our optional suspension forks. The new oil-dampened, air-sprung Lawwill Leader forks offer 2.5 inches of travel and superb torsional rigidity. They're available on the Attitude and Pulse. Or go with Rock Shox Mag 21 or Mag 21 SL/TI, which are fully-adjustable and have 1.8" of travel. And if you're interested in our new Fervor, consider Tange Struts, an excellent new elastomer fork.







ROAD BIKE SPECIFICATIONS

Frame size		Typical rider height		Top tube height from ground		Bottom bracket height		Top tube length		Chain stay length		Wheel base		Top tube	Seat tube	Head tube	Front Fork Rake	
Inch	cm	Inch	cm	Inch	cm	Inch	cm	Inch	cm	Inch	cm	Inch	cm	Angle	Angle	Angle	Inch	cm
Quantum Pro																		
20.1	51	5'2"-5'4"	157 - 162	29.8	75.69	10.5	26.67	21.06	53.5	16.30	41.40	37.98	96.47	0	74.0	73.5	1.375	3.49
20.9	53	5'4"-5'6"	162 - 167	30.6	77.72	10.6	26.92	21.54	54.7	16.30	41.40	38.48	97.74	0	74.0	73.5	1.375	3.49
21.7	55	5'6"-5'8"	167 - 172	31.5	80.01	10.7	27.18	22.01	55.9	16.30	41.40	38.98	99.01	0	74.0	73.5	1.375	3.49
22.4	57	5'8"-5'11"	172 - 180	32.4	82.30	10.8	27.43	22.48	57.1	16.30	41.40	39.28	99.77	0	74.0	74.0	1.375	3.49
23.2	59	5'11"-6'1"	180 - 185	33.2	84.33	10.9	27.69	22.95	58.3	16.30	41.40	39.88	101.30	0	74.0	74.0	1.375	3.49
24.0	61	6'1"-6'3"	185 - 190	34.1	86.61	11.0	27.94	23.43	59.5	16.30	41.40	40.28	102.31	0	74.0	74.0	1.375	3.49
24.8	63	6'3"-6'5"	190 - 195	34.8	88.39	11.0	27.94	23.90	60.7	16.30	41.40	40.78	103.58	0	74.0	74.0	1.375	3.49
Quantum II, Quantum, Quantum Z																		
20.1	51	5'2"-5'4"	157 - 162	29.80	75.69	10.5	26.67	21.06	53.5	16.30	41.40	38.10	96.77	0	74.0	73.5	1.50	3.81
20.9	53	5'4"-5'6"	162 - 167	30.60	77.72	10.6	26.92	21.54	54.7	16.30	41.40	38.60	98.04	0	74.0	73.5	1.50	3.81
21.7	55	5'6"-5'8"	167 - 172	31.50	80.01	10.7	27.18	22.01	55.9	16.30	41.40	39.10	99.31	0	74.0	73.5	1.50	3.81
22.4	57	5'8"-5'11"	172 - 180	32.40	82.30	10.8	27.43	22.48	57.1	16.30	41.40	39.40	100.08	0	74.0	74.0	1.50	3.81
23.2	59	5'11"-6'1"	180 - 185	33.20	84.33	10.9	27.69	22.95	58.3	16.30	41.40	40.00	101.60	0	74.0	74.0	1.50	3.81
24.0	61	6'1"-6'3"	185 - 190	34.10	86.61	11.0	27.94	23.43	59.5	16.30	41.40	40.40	102.62	0	74.0	74.0	1.50	3.81
24.8	63	6'3"-6'5"	190 - 195	34.80	88.39	11.0	27.94	23.90	60.7	16.30	41.40	40.90	103.89	0	74.0	74.0	1.50	3.81
Aeolus																		
20.1	51	5'2"-5'4"	157 - 162	29.36	74.57	10.3	26.20	21.06	53.5	14.73	37.40	38.59	98.0	0	78.0	72.0	1.375	3.49
20.9	53	5'4"-5'8"	162 - 167	30.14	76.55	10.4	26.40	21.54	54.7	14.73	37.40	39.18	99.5	0	78.0	72.0	1.375	3.49
21.7	55	5'6"-5'8"	167 - 172	30.91	78.51	10.5	26.70	22.01	55.9	14.73	37.40	39.78	101.0	0	78.0	72.0	1.375	3.49
22.4	57	5'8"-5'11"	172 - 180	31.69	80.49	10.6	26.90	22.48	57.1	14.73	37.40	40.37	102.5	0	78.0	72.0	1.375	3.49
23.2	59	5'11"-6'1"	180 - 185	32.51	82.57	10.7	27.20	22.95	58.3	15.50	39.40	41.41	105.2	0	78.0	72.5	1.50	3.81
24.0	61	6'1"-6'3"	185 - 190	33.28	84.53	10.8	27.40	24.21	61.5	15.50	39.40	42.79	105.7	0	78.0	72.5	1.50	3.81
24.8	63	6'3"-6'5"	190 - 195	33.46	84.98	10.8	27.40	24.70	62.7	15.50	39.40	43.35	110.1	0	78.0	72.5	1.50	3.81
Performance																		
20.1	52	5'2"-5'4"	157 - 162	30.10	76.45	10.2	25.91	21.34	54.2	18.00	45.72	40.70	103.38	0	74.0	72.0	1.75	4.44
21.3	54	5'4"-5'6"	162 - 167	31.00	78.74	10.3	26.16	21.73	55.2	18.00	45.72	41.10	104.39	0	74.4	72.0	1.75	4.44
22.0	56	5'6"-5'8"	167 - 172	31.80	80.77	10.4	26.42	22.13	56.2	18.00	45.72	41.20	104.65	0	74.0	72.5	1.50	3.81
22.8	58	5'8"-5'11"	172 - 180	32.70	83.06	10.5	26.67	22.52	57.2	18.00	45.72	41.60	105.66	0	74.0	72.5	1.50	3.81
23.6	60	5'11"-6'1"	180 - 185	33.60	85.34	10.6	26.92	22.91	58.2	18.00	45.72	42.20	107.19	0	74.0	72.5	1.50	3.81
24.4	62	6'1"-6'3"	185 - 190	34.40	87.37	10.7	27.18	23.31	59.2	18.00	45.72	42.60	108.20	0	74.0	72.5	1.50	3.81
Panache																		
18.5	47	4'10"-5'0"	147 - 152	27.30	69.34	10.1	25.65	20.20	51.3	16.77	42.59	38.40	97.54	14.00	74.0	71.0	2.00	5.08
19.7	50	5'0"-5'2"	152 - 157	27.30	69.34	10.1	25.65	20.20	51.3	16.77	42.59	38.40	97.54	14.00	74.0	71.0	2.00	5.08

MOUNTAIN BIKE SPECIFICATIONS

Adroit, Attitude																		
18.0	46	5'0"-5'4"	152 - 162	29.94	76.05	11.4	29.00	22.02	55.9	16.40	41.70	40.07	101.80	15.40	73.2	71.0	1.38	3.49
19.0	48	5'4"-5'7"	162 - 170	30.06	76.35	11.5	29.20	22.78	57.9	16.40	41.70	40.67	103.30	10.50	73.2	71.5	1.38	3.49
20.0	53	5'7"-5'10"	170 - 177	31.10	78.99	11.7	29.70	23.38	59.4	16.40	41.70	41.21	104.70	8.20	73.2	72.0	1.38	3.49
21.0	55	5'10"-6'1"	177 - 185	32.21	81.81	11.8	30.00	23.70	60.2	16.40	41.70	41.64	105.80	8.40	73.2	72.2	1.50	3.81
22.0	57	6'1"-6'6"	185 - 198	33.25	84.85	11.9	30.20	24.05	61.1	16.40	41.70	42.04	106.80	8.00	73.2	72.2	1.50	3.81
Pulse																		
18.0	46	5'0"-5'4"	152 - 162	30.62	77.77	11.4	29.00	22.03	55.4	16.40	41.70	40.07	101.80	17.20	73.2	71.0	1.38	3.49
19.0	48	5'4"-5'7"	162 - 170	30.70	77.98	11.5	29.20	22.76	57.4	16.40	41.70	40.67	103.30	12.50	73.2	71.5	1.38	3.49
20.0	53	5'7"-5'10"	170 - 177	31.08	78.94	11.7	29.70	23.38	54.4	16.40	41.70	41.21	104.70	8.27	73.2	72.0	1.38	3.49
21.0	55	5'10"-6'1"	177 - 185	32.19	81.76	11.8	30.00	23.60	54.4	16.40	41.70	41.64	105.80	8.47	73.2	72.2	1.50	3.81
22.0	57	6'1"-6'6"	185 - 198	33.23	84.40	11.9	30.20	24.05	61.1	16.40	41.70	42.04	106.80	8.07	73.2	72.2	1.50	3.81
Pinnacle																		
18.0	46	5'0"-5'4"	152 - 162	27.00	68.00	11.5	29.21	21.77	55.3	16.95	43.05	40.40	102.62	15.00	72.0	70.0	1.54	3.90
19.0	48	5'4"-5'8"	162 - 172	28.00	71.00	11.5	29.21	22.60	57.4	16.95	43.05	41.30	104.90	10.00	72.0	70.0	1.54	3.90
20.0	51	5'8"-5'11"	172 - 180	29.00	74.00	11.9	30.23	23.19	58.9	16.95	43.05	42.00	106.68	8.00	72.0	70.0	1.54	3.90
22.0	56	5'11"-6'6"	180 - 198	31.00	80.00	11.9	30.23	23.90	60.4	16.95	43.05	42.90	108.97	7.30	72.0	70.0	1.54	3.90
Fervor																		
18.0	46	5'0"-5'4"	152 - 162	27.00	68.00	11.5	29.21	22.04	56.0	16.65	42.29	40.40	102.62	15.00	72.5	70.0	1.54	3.90
19.0	48	5'4"-5'8"	162 - 172	28.00	71.00	11.5	29.21	22.79	57.9	16.65	42.29	41.00	104.14	10.00	72.5	70.5	1.54	3.90
20.0	51	5'8"-6'0"	172 - 182	29.00	74.00	11.9	30.23	23.39	59.4	16.65	42.29	41.60	105.66	8.00	72.5	71.0	1.54	3.90
22.0	56	6'0"-6'6"	182 - 192	31.00	80.00	11.9	30.23	24.05	61.1	16.65	42.29	42.60	108.20	7.50	72.5	71.0	1.54	3.90
Adept																		
17.0	43	5'0"-5'4"	152 - 162	28.00	71.00	10.8	27.43	21.26	54.0	17.00	43.18	40.30	102.36	18.30	73.8	70.5	2.00	5.08
19.0	48	5'4"-5'8"	162 - 172	29.00	75.00	11.0	27.94	22.20	56.4	17.00	43.18	41.10	104.39	9.30	73.8	71.5	1.88	4.78
21.0	53	5'8"-5'11"	172 - 180	30.00	78.00	11.3	28.70	23.19	58.9	17.00	43.18	41.50	105.41	3.40	73.8	72.0	1.63	4.14
23.0	58	5'11"-6'6"	180 - 198	33.00	83.00	11.5	29.21	23.90	60.7	17.00	43.18	42.60	108.20	3.00	73.8	72.0	1.75	4.44

BIKE COLORS

Our new 1994 color pallette. For other bike/color combinations, ask your authorized Klein dealer.



Painted Desert
Adroit



"Storm" Race Team Design
Adroit, Attitude, Pulse special order



Sea & Sky
Attitude



Coral Reef
Quantum Pro



Puget Morning
Quantum II



Moonrise
Aeolus



Gemstone Green
Quantum, Pinnacle



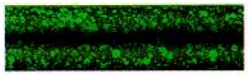
Iced Teal
Pulse, Panache



Sable Haze
Performance



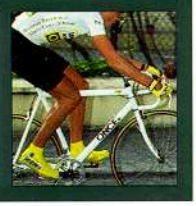
Candy Red
Quantum Z, Adept



Nebula Green
Fervor

EXCLUSIVE PROJECT GROUP

The goal of the Exclusive Project Group is to engineer and build unique frames that redefine the state-of-the-art. If you have a special riding purpose in mind, the Project Group can craft a frame that matches it precisely. For example, the frames that TEAM ONCE uses in hill-climbing and time trial stages were designed and crafted by the Project Group. The geometry is tailored to your exact specifications using the tightest tolerances possible, to achieve the best riding position for optimum frame performance. For an EPG package, contact the Klein Exclusive Project Group at (206) 262-3305 or your authorized Klein dealer.



ROAD BIKE COMPONENTS

GROUP NAME	TOURING RX 100	RX 100	VELOCE	ULTEGRA	DURA-ACE
FRAMES	Panache, Performance	Panache, Performance, Quantum, Quantum Z	Quantum II, Quantum Pro, Quantum, Aeolus	Quantum Pro, Quantum II, Quantum, Aeolus	Quantum Pro, Quantum II, Quantum, Aeolus
HEADSET	RX 100	RX 100	VELOCE/Klein	Ultegra/Klein	Dura-Ace
BB	Klein	Klein	Klein	Klein	Klein
CRANK	170/175	165/170/172/175	165/170/172/175	165/170/172/175	DA165/170/172/175
RINGS	30/42/52	42/53	42/53	42/53	42/53
REAR DER.	RX 100 Long	RX 100	VELOCE	Ultegra	Dura-Ace
FRONT DER.	RX 100	RX 100	VELOCE	Ultegra	Dura-Ace
SHIFT LEVERS	Gripshift CXDT	RX 100	VELOCE Ergopower	Ultegra STI	Dura-Ace STI
CHAIN	HG70	HG70	Sedis	HG90	HG91
REAR CLUSTERS	12/25 8-Speed	12/25 8-Speed	12/24 or 12/28 8-Speed	12/23 8-Speed	12/21 or 12/24 8-Speed
BRAKE SET	RX 100	RX 100	VELOCE	Ultegra	Dura-Ace
BRAKE LEVERS	RX 100	RX 100	VELOCE	Ultegra	Dura-Ace
FRONT HUB	RX 100	RX 100	VELOCE	Ultegra	Dura-Ace
REAR HUB	RX 100 130mm	RX100 130mm	VELOCE 130mm	Ultegra 130mm	Dura-Ace 130mm
RIMS	Klein Beta C 36h	Klein Beta C 32h	Klein Beta C 32h	Klein Beta C 32h	Klein Beta C 32h
SPOKES	Wheelsmith 15g SS (14g drive side rear)	Wheelsmith 15g SS (14g drive side rear)	Wheelsmith 15g SS (14g drive side rear)	Wheelsmith 15g SS (14g drive side rear)	Wheelsmith 15g SS (14g drive side rear)
SPOKE NIPPLES	Brass	Brass	Brass	Alloy	Alloy
TIRES	Avocet 700x32C	Klein Prime	Klein Prime	Klein Prime	Klein Prime
TUBES	Klein	Klein	Klein	Klein	Klein
BAR	TTT	TTT	TTT	TTT	TTT
STEM	Zoom	Zoom	Zoom	Zoom	Cinelli Titanium
GRIPS	Cork Tape	Cork Tape	Cork Tape	Cork Tape	Cork Tape
SEAT POST	SR	SR	SR	SR	Syncros
PEDALS	NA	NA	NA	NA	NA
SADDLE	Vetta	Vetta TT	Vetta TT	Vetta TT	Flite
WATER BOTTLE	Klein 28 oz.	Klein 28 oz.	Klein 28 oz.	Klein 28 oz.	Klein 28 oz.
WB CAGE	Klein	Klein	Klein	Klein	Klein

COMPLETE BIKE WEIGHT:

Aeolus: 57cm w/Dura Ace – 19.10 lbs (86 kg)
Quantum II: 57cm w/Ultegra – 19.9 lbs (9.03 kg)
Quantum: 57cm w/Ultegra – 20.6 lbs (9.34 kg)
Panache: 47cm w/Touring RX 100 – 20.13 (9.13 kg)

Complete bike weights vary depending on frame size and component variations.

WHEEL/BAR PACKAGE OPTION FOR AEOLUS:

Campagnolo Shamal 25" on 51, 53, 55 and 57cm bikes
Campagnolo Shamal 700C Rims on 59, 61, 63cm bikes.
Profile Aerowave bars.

FORKS:

Quantum Pro: Klein Aeros Composite
On all other Klein Road bikes Kinesis is the standard fork.

STEM:

Quantum Pro model incorporates Klein Airhead Set™ direct steering system.

MOUNTAIN BIKE COMPONENTS

GROUP NAME	STX Special Edition	DEORE LX	DEORE XT	DEORE XTR	700CX
MODELS	Fervor, Pinnacle	Fervor, Pinnacle, Pulse	Pulse, Attitude, Adroit	Pulse, Attitude, Adroit	Adept
FORK	See below	See below	See below	See below	Klein
HEADSET	STX	LX/AheadSet/Klein	AheadSet/Klein	AheadSet/Klein	Klein
BB	Klein	Klein	Klein	Klein	Klein
CRANK	STX 170/175	STX 170/175 HyperDrive C	STX 170/175 HyperDrive C	XTR 172.5/175	700CX
RINGS	24/32/42	22/32/42	22/32/44	26/36/46	20/32/42
REAR DER.	STX Long	LX Long Cage	XT Med. Cage	XTR Med. Cage	700CX
FRONT DER.	STX	LX	XT	XTR	700CX
SHIFT LEVERS	STX RAPID FIRE PLUS	LX RAPIDFIRE-PLUS	XT RAPIDFIRE-PLUS	XTR RAPIDFIRE-PLUS	700CX/Gripshift
CHAIN	HG50	HG70	HG90	HG91	HG70
REAR CLUSTER	11/28 7-Speed	11/28 7-Speed	11/28 8-Speed	12/28 or 12/32 8-Speed	11/28 7-Speed STX CASSETTE
BRAKE SET	STX	LX	XT	XTR	M-System Cantilever
BRAKE LEVERS	STX	LX Servo Wave	XT Servo Wave	XTR Servo Wave	700CX DiaCompe
FRONT HUB	STX	LX	XT	XTR	700CX
REAR HUB	STX 135mm	LX 135mm	XT 135mm	XTR 135mm	700CX 135mm
RIMS	Klein Meta XT 32h	Klein Meta XT 32h	Klein Meta XT 32h	Klein Meta XT 32h	Klein Meta XT 36h
SPOKES	Wheelsmith 15g SS (14g drive side rear)	Wheelsmith 15g SS (14g drive side rear)	Wheelsmith 15g SS (14g drive side rear)	Wheelsmith 15g SS (14g drive side rear)	Wheelsmith 15g SS (14g drive side rear)
SPOKE NIPPLES	Brass	Brass	Alloy	Alloy	Brass
TIRES	Klein DeathGrip	Klein DeathGrip	Klein DeathGrip	Klein DeathGrip	Ritchey Megabite 700 x 32C
TUBES	Klein Cloud Nine	Klein Cloud Nine	Klein Cloud Nine	Klein Cloud Nine	Klein
BAR	ZOOM/Kinesis	See below	See below	See below	Mission Control
STEM	ZOOM/Kinesis	See below	See below	See below	Mission Control
GRIPS	Klein Instinct	Klein Instinct	Klein Instinct	Klein Instinct	Klein Instinct
SEAT POST	SR	SR	7075 Syncros	7075 Syncros	SR
PEDALS	SR LOW FAT	PDM323 SPD Convertible	SPD 737	SPD 737	PDM 323 SPD Convertible
STRAPS	Lapize Leather	N/A	N/A	N/A	N/A
CLIPS	Shimano	N/A	N/A	N/A	N/A
SADDLE	Vetta TT	Vetta TT	Flite	Flite	Vetta TT
WATER BOTTLE	Klein 28 oz.	Klein 28 oz.	Klein 28 oz.	Klein 28 oz.	Klein 28 oz.
WB CAGE	Klein	Klein	Klein	Klein	Klein

COMPLETE BIKE WEIGHT:

Adroit: 21" w/XTR Grupo – 20.4 lbs (9.25 kg)
Attitude: 21" w/XTR Grupo – 21.5 lbs (9.75 kg)
Pulse: 21" w/XT Grupo and Rock Shox Mag 21 – 24.1 lbs (10.93 kg)
Pinnacle: 20" w/LX Grupo – 22.6 lbs (10.25 kg)
Fervor: 21" w/STX Grupo and Tange Struts – 20.9 lbs (9.48 kg)

Complete bike weights vary depending on frame size and component variations.

FORK OPTIONS:

Pulse model suspension fork options: Tange Struts, Lawwill Leader, Rock Shox Mag 21 or Rock Shox Mag 21 SL/TI.
Fervor model fork options: Standard fork or Tange Struts suspension fork.
Attitude model fork options: Standard fork, Rock Shox Mag 21 Rock Shox Mag 21 SL/TI or Lawwill Leader suspension fork.

DROP BAR WITH BARCON SHIFTING OPTION:

Adept: Control Tech Road Stem with TTT Drop Bar, Gripshift SRT 400 17 barcon

BAR/STEM:

Pulse model includes Klein Zip Grip seat post adjust system and Control Tech stem in Rise and No Rise styles. Sizes: 105, 120, 135. Stratum 185 Bar. Attitude and Adroit models include Klein Zip Grip seat post adjust system and MC2 bar/stem system in Rise and No Rise styles. Sizes: 105, 120,135.

ABOUT FRAME WEIGHT

The frame weights you typically see are just that – the frame and nothing else. At Klein, we believe a far more useful measure is one that takes into account all critical components of the frame and steering assembly: the headset, fork, neck, and seat clamp, as well as the frame. We call this the Fuselage™, mainly for brevity, but also as a reminder that a bike frame is a system of interconnected parts. And the weight of this system is the true basis for the total weight of your bike. When you compare the fuselage, Klein bikes are typically about a pound lighter than our competitors'. At the same time, Klein offers better strength, stiffness, reliability, and performance. So when you see a frame weight, always be sure you're getting the whole picture.

Every Klein Bicycle is engineered and handmade in the U.S.A. to the highest standards, and comes with a limited-lifetime or one million mile warranty for the original owner. Klein Corporation tries to maintain an inventory of frame sets, options, and bicycles so that orders can be shipped immediately. From time to time, demand is so overwhelming that the production is unable to keep up. Your dealer can contact the Klein factory for availability of any specific items. All Klein Bicycles meet or exceed CPSC standards. Complete CPSC equipment is included with each Klein bicycle, but may not be shown in photographs. We reserve the right to discontinue models or change specifications at any time without advance notice and without incurring any obligations. Consult your Klein dealer for current information on component packages and options available for your Klein bike.



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