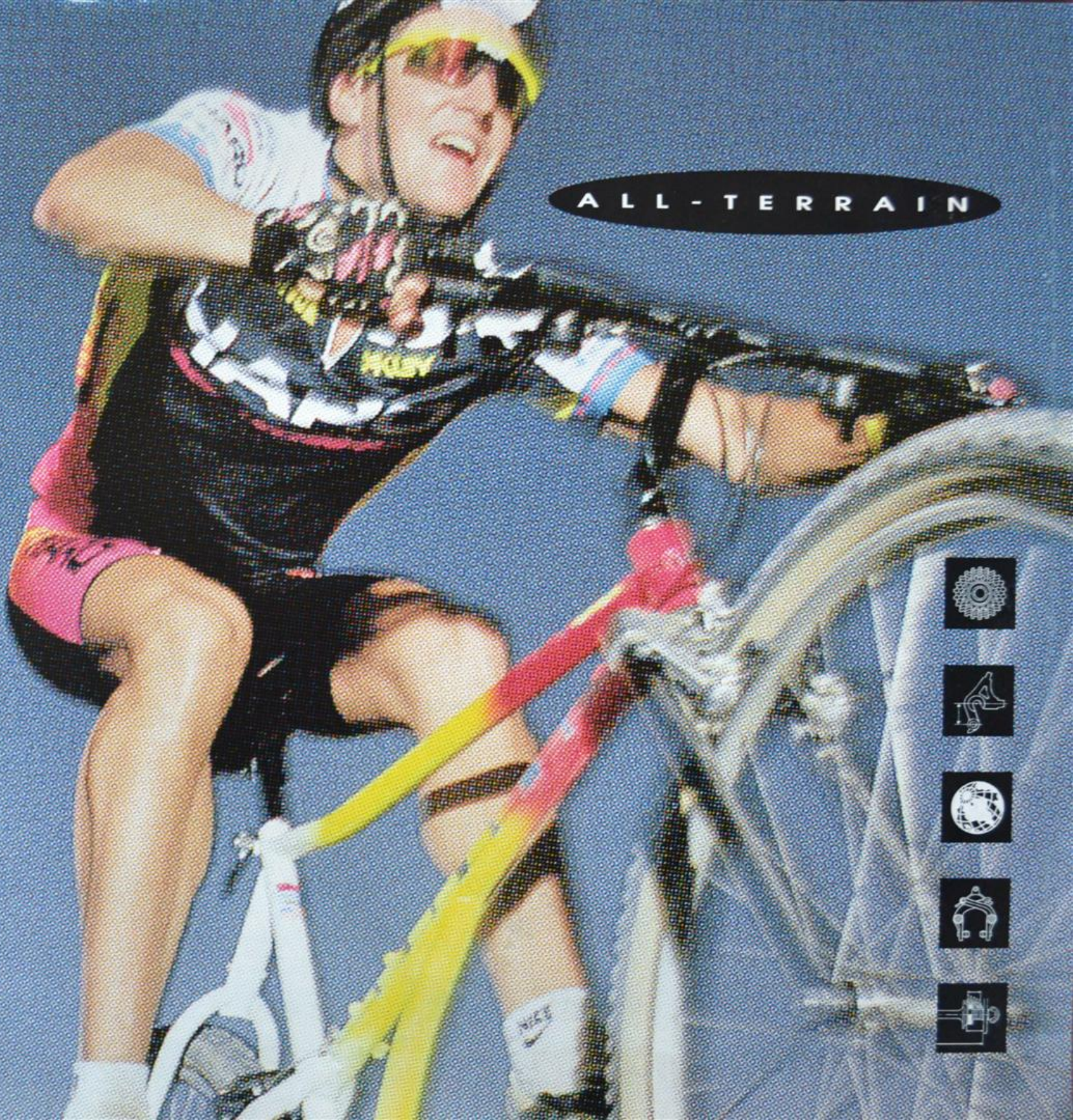




ALL-TERRAIN



I N T R O

In the beginning, Bob Haro just wanted to ride and design cool new products for the growing sport of BMX. He never imagined that his unauthorized sessions in the local skatepark would lead to the formation of a whole new sport, BMX freestyle. A sport that demands precision bike handling



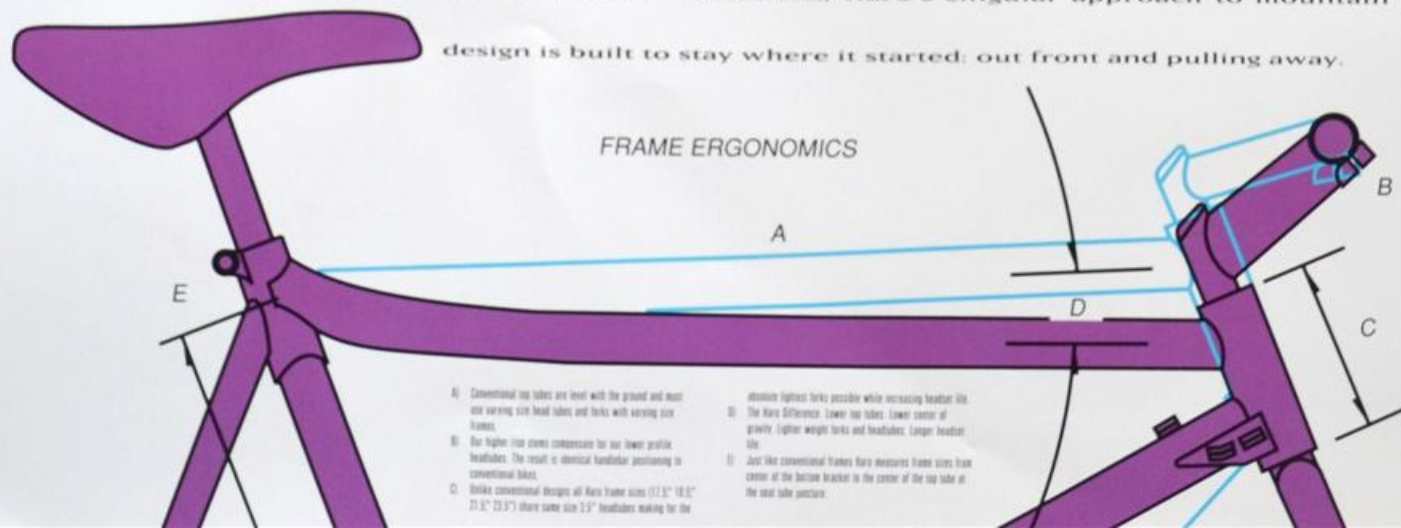
skills and nerves of steel when your Bob Haro. The Originator of Freestyle BMX and bustin' big airs. Skills that also come in founding father of Haro Designs. When conventional handy for aggressive off road riding. The designs limit maximum ride potential. Haro seeks rest is history. Free style pioneer and revenge at the drafting table. The results are some of designer, Bob has been breaking new the industry's freshest ideas. The Bottom Line? Haro ground all his life. And Haro's 1991 lineup Designs are designs by riders for riders. is rolling proof he isn't about to stop now.

I N N O V A T I O N O V E R I M I T A T I O N

One look tells you that everything about a modern mountain bike is light years beyond the primitive beginnings of the bike-meets-dirt love affair. Everything, that is, except the same diamond frame that defined bicycling from the beginning. Conventional diamond frames simply couldn't accommodate the progressively radical requirements of today's off road elite. And since compromise isn't in Bob Haro's vocabulary, he focused years of riding and design expertise on some fresh answers.

The culmination of Haro's efforts are evident in every angle of the 1991 Triagonal 2 frames. An island of innovation in a sea of imitations, Haro's singular approach to mountain bike

design is built to stay where it started: out front and pulling away.





UNCONVENTIONAL WISDOM

Conventional wisdom would have you believe that elevated ATB chain stays all but insure the extinction of the diamond frame. Don't believe it. Sure we're committed to innovative new designs, but the elevated chain stay is a distinct solution to a specific set of off-road problems. Road bikes don't have elevated chain stays because road bikes don't suck chains or pack mud. And road bikes don't need extreme chainring clearance. If you do, you need a 1991 Haro Triagonal 2 frame.

HEAD OF THE CLASS

When you're talking headsets, bigger is better. Both our Extreme and Extreme Comp spec Ritchey Logic "Oversize" hardware, with a 28.6 mm fork stem. Compare that to the standard 25.4mm (1") stem and the advantage is obvious. The Ritchey design spreads the savage hits any headset encounters over more ball bearings. Less weight on each ball makes them all last longer. And since an Oversize headset is considerably more durable, it's one less thing for you to worry about out there.

But since oversized headsets can also add up to an overweight front end, our Triagonal design uses the shortest possible 90mm head tube and tight 130mm fork stems on the whole range of frame sizes: 17.5", 19.5", and 21.5". Whatever your size, Haro's Triagonal design gives you the strength and stamina of oversize without getting overweight.



All cyclists are not created equal. Choose the wrong size bike and pay for it in less than optimal performance. Precision bike fit is the key. Haro's Triagonal 2 frame design is the answer. We carefully coordinate crank length, handlebar width, stem rise/reach with our unique compact head tubes and proportional top tubes to custom fit each bike to each rider. The long and short of it? If you want a better bike fit - learn to weld.



ALL THE RIGHT ANGLES

At Haro, we believe extreme riders need an extremely responsive ride. But we don't follow "the rules" building that bike. We make them. All the other guys use shorter and shorter chain stays. "All the better to climb with," they say. True enough, we say. But as somebody else once said, what goes up, must come down. Paying for an uphill edge with essential downhill stability is a bad deal. Triagonal technology is designed to handle the real world; uphills, downhills and everything in between. The Haro Triagonal's 16.8 inch chain stays may not be fashionable but they are functional.

But all the engineering in the world isn't worth the dirt you ride it over unless it fits. Call it ergonomics or human engineering or simple comfort, turning muscle into motion under different sized riders is exacting business. We've carefully stretched top tube length, matched that to reach, stem rise, bar width and crank arm length to create the optimal ergonomic equation. Climbing up or hammering down, the Triagonal technology positions you to make all the right moves. And you'll stay comfortable doing it. Whatever your size,

whatever your style, our re-volutionary approach to the ATB evolution depends on studied solutions encountered by real world riders. No bells. No whistles. No unnecessary gee-whiz gimmickery. Like we said before. At Haro, we don't follow the rules. We make them.



Race ready bikes that take off road performance to Extremes. Standard diamond frames are fine for standard riders. But you're different. So we're different. A diamond frame crams two crank arms, three chain rings, one rear tire, a U-brake and cables into the same tight space. It's mechanical claustrophobia. It's performance diminished by compromise. And it's something you simply can't afford on a cutting edge ATB. Enter the Extremes.

Haro goes to Extremes because we know you're going to. Our Triagonal frames are remarkably rigid, for a precise balanced feel on any trail. The Extremes feature short (16.8 inch) chain stays to give you extra uphill efficiency and agility in tight single track situations. Optimal tire clearance means mud and muck won't slow you down. Optimal chairing clearance allows ultra-wide ratio gearing without clearance problems. And forget about chain suck or slap, even over vicious washboard terrain. Our exclusive brake boss position foils the flex and flutter ingrained in lesser seat stay cantilevers for incredible stopping power. Short cable routing provides instantaneous control response.



EXTREME

Meet our lean, mean Extreme. Diabolically designed for mid-pack racers who don't intend to stay mid-pack racers for long. Race-proven Triagonal 2 frameset. Bulletproof Tange Big Forks. 100T Shimano Deore LX equipped. Cantilevers front, U-brake rear. Oversize Ritchey Logic headset, Haro Wingstrut stem and Superbulge Wingbar. Ritchey superlight Vantage Comp rims with stainless spokes. Vetta-Gel Shock Absorber saddle. Haro's new kraton XL handgrips. Tioga quick-flip toe straps. Go ahead. Look close. There's everything you'll need and more — for a lot less than you'd think. Don't settle for average — go for the Extreme.



EXTREME COMP

Do you use the following words to describe your idea of mountain biking?...Gnarly, burly, aggro, hammerhead, big ring, air time, OTF (off-the-front), killer? Perfect. Our 1991 Extreme Comp is just the bike for you. Tange Prestige Triagonal 2 frameset. Radical composite Switchfork. Ritchey Logic headset, Vantage Comp rims and Kevlar Megabite tires. 100T Shimano Deore XT equipped. Superlight tubular alloy stem and vibration-dampening Superbulge Wingbars. Haro kraton XL grips with crash-resistant plastic end caps. Stainless spokes. Stout 2mm cables. Tioga quick-flip toe straps. Vetta's Shock Absorbing saddle and Haro's shock-inducing neon fade paint job. Definitely not for everyone. Just your kind of bike.

Wing It. Haro's all-new, wild Wing Strut stem and Superbulge 31.8mm Wingbar. Larger diameter and thinner wall chromoly and aluminum combine to keep weight down and shock absorption up. Take hold and feel the difference.





IMPULSE COMP

Our most affordable elevated chainstay performer tailored to the aspiring racer and/or high-performance trail rider. Radical Triagonal 2 chromoly frame and non-tapered chromoly "Big Fork." Ritschey Logic headsets. Wild, new Haro Wingstrot stem and Superbulge Wingbar. Shimano 240LX componentry complete with cantis front, U-brake rear. Proven Araya rims mounted with Ritschey Megabite tires. Vetta's new Shock Absorber saddle. Stout 300mm 4130 chromoly seatpost. Stainless-steel spokes. Beefy 2mm cables. Indestructible plastic powerclips and quick-clip toe straps. Bold neon fade paint. Sorry, trophies not included. That's up to you.

Radical for a reason. Our radical Triagonal 2 frame features short chainstays, ample tire clearance, superior U-braking, ingenious cable routing and sealed front derailleur cable routing. Everything has its place.

The best of both worlds. On our Extreme Comp model, we've combined aluminum and chromoly to create an amazingly strong and light set of forks. We call them Switchforks. One ride and you'll never switch back to conventional forks again.

Bikes that take aggressive off road riding seriously.

If you're not quite convinced that you need a radical Triagonal framed bike for your style of riding here's the next best thing. The oversized performance series featuring the Impulse and Escape. Both models utilize oversized chromoly tubing, oversized headset and a rear monostay design to provide added stiffness and durability for aggressive riding. The cables are mounted on the top tube to keep them up and away from mud and water. The Impulse also sports a oversized fork to withstand the kind of punishment associated with off road riding.

ESCAPE

Literally bigger and better for 1991. All new oversize chromoly monostay frameset. But oversize doesn't mean overweight. Our Escape features large-diameter, thin-wall 100T double-butted chromoly tubing mainframe. Translation: Light, strong, fast. 100T chromoly bar, stem and fork. Shimano 400LT Rapidfire shifting. Stop-on-a-dime cantilever braking. Vetta Gel Lycra saddle with oversize 24.4mm chromoly seatpost. Legendary Araya alloy rims. Quick-release hubs front and rear. Even plastic powerslips and quick-clip top straps.

American pride. Here is proof to announce that many of our 1991 models are assembled in the U.S.A. at Raleigh's best, Washington factory. Look for the American flag as your assurance of superior quality.



Big, fat legs. Our Impulse models feature fat 100T chromoly non-supersized "big forks." The harder you ride, the better they'll work.





Designed for those riders who expect big things from their bikes. Things like massive double-butted chromoly tubing. Beefy non-tapered chromoly "Big Forks." Oversized Ritchey Logic headset. Big chromoly bulge bars and Haro kraton XL grips. And fat Ritchey Megabite tires. But combine all of these big features with your choice of either SunTour X-1 or Shimano LX component groups and you've still got a lightweight on the scales that's a heavyweight on the trails.

Less is more. Ritchey tires and rims are featured on many of our bikes. The reason? Superior design. Precision manufacturing and performance beyond belief. Once you ride Ritchey, there's no turning back.



Performance art. SunTour's AccuShift. Sleek, precise performance. When the going gets tough, the shifting gets easier.

SPREAD THREE

Bikes that deliver both on and off road versatility for the urban environment.

Welcome to the best of both worlds. Two street smart, dirt worthy bikes ready for whatever you are. Both the Impasse and Accent have 21 speed under the bar shifting for all terrain versatility and ease of operation. The emphasis is on comfort and each model features a handlebar with a slight rise and comfortable seating to maximize rider comfort.

and Accent have 21 speed under the bar shifting for all terrain versatility and ease of operation. The emphasis is on comfort and each model features a handlebar with a slight rise and comfortable seating to maximize rider comfort.



IMPASSE

The bike our competitors hate. They just can't figure out how we can offer so much bike for so little buck. 100% chromoly mainframe. 21-speed Shimano 200GS RapidFire, push-button shifting. Legendary Arava alloy rims with quick-release hubs front and rear. Plus Vetta Gel saddle. Even low-profile 15" men's and 16.5" ladies' style frames.

Bottoms up. Vetta's all-new Shock Absorber saddle. The seat's rails actually ride suspended in impact-resistant urethane sockets, greatly reducing numbing vibration and fatiguing road shock.



All clear. Our smaller, low-profile frame sizes feature dual stay mounted 2-brakes for superior heel clearance and braking response over conventional cantilevers.



ACCENT

Don't worry. It only looks expensive. Actually, it's our most affordable ATB for 1999. SunTour HCD equipped, 21-speed AccuShift Plus X-Press shifting. Sleek low-profile cantilever braking. Lovely Arava alloy rims. Quick-release front wheel for easy transport and storage. Amazing Vetta Shock Absorber saddle. Over-friendly 2" rise handlebar. Versatile 26"x1.5" multi-surface tires. Frame sizes from 19" up to 22" for all. Even a 16.5" ladies' style frame.

EXCESS

Don't let the name fool you — the only excess on this bike is the amount of fun you'll have riding it. Lean, mean 100% chromoly main frame. Clean, concise Shimano 100LK RapidFire shifting. Fat 1.95" knobby tires. Lightweight Arava alloy rims. Oversized headset, fork and stem for superior steering and added durability. Quick-release wheels for easy service, storage or transport. 18", 20", 22", 16.5" ladies' and low-profile 15" frame perfect for smaller riders. Plush foam grips and Vetta Gel saddle. Fresh neon colors. So why settle for mediocrity? Go for Excess.



Can't decide between a lightweight and an ATB? Now you don't have to. Cross bikes combine the durability of ATBs with the agility and speed of a lightweight. The obvious choice for riders who spend the majority of their time on the road and don't want to put up with hassles associated with maintaining the more fragile lightweights. Both the Alpha and Omega feature straight bars for comfortable rider positioning.



OMEGA

Like a lot of people these days, are you in search of a versatile on/off-road hybrid bike capable of true all-terrain performance? Well, stop searching and start riding our new Omega. Spirited 700C wheels and multi-surface tires. Proven SunTour XCU componentry. 21-speed push-button shifting. Powerful low-profile cantilever braking. All-season "high-and-dry" cable routing. Quick-release front wheel for transport or storage. Vetta's revolutionary Shock Absorber saddle. Available in ladies' 17", men's 17", 19", 21", 23".

Form follows function. Conventional cable routing runs cables down under the bike. The result is premature wear due to constant exposure to wheel spray. Our top-driven cables are high and dry, offering longer life span, less maintenance and better braking response thanks to shorter, more direct cables.



Ladies first. Look closely. Our ladies' models feature uncommon details that make the difference between a good bike and a great one.



ALPHA

For the restless all-terrain rider who really needs three bikes. One for the road. One for off road. And one for everything in between. One Alpha is actually all you'll need. Versatile 700C multi-surface tires and Araya alloy rims. Light and responsive 100% chromoly mainframe. Shimano 500's 21-speed shifting. Awesome cantilever braking and top-driven cable routing. Quick-release wheels. Plush foam grips and Vetta Gel Saddle. Powerclip and quick-clip toe straps. Trail riding? Cross town? Cross country? One bike fits all - Alpha.

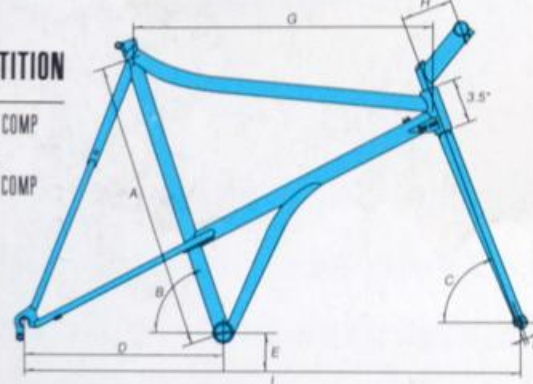
Versatility plus 700C wheels and multi-surface tires will bravely go wherever your riding may lead you. Travel cross town or traverse cross country with confidence.



	EXTREME COMP	EXTREME	IMPULSE COMP	IMPULSE LX	IMPULSE XI	ESCAPE	EXCESS	IMPASSE	ACCENT	ALPHA	OMEGA
Frame	Triagonal 2 CRMO elevated chainstay, rack and bottle mounts.	Triagonal 2 CRMO elevated chainstay, rack and bottle mounts.	Triagonal 2 CRMO elevated chainstay, rack and bottle mounts.	Oversized double butted CRMO complete rack mount, double bottle mounts, top mount cables	Oversized double butted CRMO with complete rack mounts, double bottle mounts, top mount cables	Oversize double butted CRMO with complete rack mounts, double bottle mounts, top mount cables	CRMO mainframe, complete rack mounts, double water bottle mounts.	CRMO mainframe, complete rack mounts, double water bottle mounts.	CRMO seat tube, tig welded high tensile steel, complete rack, bottle mounts, top mounted cables	CRMO mainframe, complete rack, water bottle mounts, top mount cables	CRMO seat tube, tig welded high-tensile steel, complete rack, bottle mounts, top-mounted cables
Fork	Composite switchfork, machined aluminum triple clamp, CRMO Blades, oversized 1 1/4" Steerer.	Large big fork 1 1/4" non-tapered blades, oversized steerer.	Unicrown CRMO 1 1/4" non-tapered blades, oversize 1 1/4" steerer.	Unicrown CRMO 1 1/4", non-tapered blades, oversized 1 1/4" steerer.	Unicrown CRMO 1 1/4" non-tapered blades, oversized 1 1/4" steerer.	Unicrown CRMO oversized 1 1/4" steerer	Unicrown CRMO oversized 1 1/4" steerer	Unicrown high-tensile steel oversize 1 1/4" steerer	Unicrown high-tensile steel	Unicrown CRMO	Unicrown high-tensile steel
Headset	Ritchey Logic oversized 1 1/4" sealed	Ritchey Logic oversized 1 1/4" sealed	Ritchey Logic oversized 1 1/4" sealed	Ritchey Logic oversized 1 1/4" sealed	Ritchey Logic oversized 1 1/4" sealed	Oversized 1 1/4" sealed	Oversized 1 1/4" sealed	Oversized 1 1/4" sealed	Steel sealed	Steel sealed	Steel sealed
Stem	Haru Wing Strut CRMO	Haru Wing Strut CRMO	Haru Wing Strut CRMO	Oversized 1 1/4" CRMO	Oversized 1 1/4" CRMO	Oversized 1 1/4" tubular CRMO	Oversized 1 1/4" tubular high-tensile steel	Oversized 1 1/4" tubular high-tensile steel	Tubular high-tensile steel	Tubular high-tensile steel	Tubular high-tensile steel
Handlebars	Haru Superbulge 31.8mm alloy Wingbar	Haru Superbulge 31.8mm alloy Wingbar	Haru Superbulge 31.8mm alloy Wingbar	CRMO bulge 5 degree bend / 560mm width	CRMO bulge 5 degree bend / 560mm width	CRMO bulge 5 degree bend / 560mm width	High-tensile steel bulge	High-tensile steel, 2" rise	High-tensile steel bulge	High-tensile steel bulge	High-tensile steel bulge
Grips	Haru Krayton 140mm	Haru Krayton 140mm	Haru Krayton 140mm	Haru Krayton 140mm	Haru Krayton 140mm	Tapered high-density foam	Tapered high-density foam	Tapered high-density foam	Tapered high-density foam	Tapered high-density foam	Tapered high-density foam
Brakes	Shimano Deore XT cantilever front, U-brake rear	Shimano Deore XT cantilever front, U-brake rear	Shimano 400LX cantilever front, U-brake rear	Shimano Deore LX cantilever front/rear	SunTour X-1 Chroma low profile cantilever front/rear	Shimano 300 LX cantilever front/rear	Shimano 300 LX cantilever front/rear	Shimano 200 GS cantilever front/rear (low profile on 15" frame size)	SunTour XCU low-profile cantilever front/rear 15" frame equipped with XCE U-brake	Shimano cantilever front/rear	SunTour XCU low-profile cantilever front/rear
Brake Levers	Shimano Deore XT 2 finger	Shimano Deore LX 2 finger	Shimano 400 LX	Shimano Deore LX	SunTour X-1 Chroma	Shimano 400 LX	Shimano 300 LX	Shimano 200 GS	SunTour XCU	Shimano 500 LX	SunTour XCU
Brake Cables	Shimano Deore XT oversized 2mm	Shimano oversized 2mm	Shimano oversized 2mm	Shimano oversized 2mm	SunTour X-1 oversize 2mm	Shimano oversized 2mm	Shimano 1.6mm	Shimano 1.6mm	SunTour 1.6mm	Shimano oversized 2mm	SunTour 1.6mm
F Derailleur	Shimano Deore XT	Shimano Deore LX	Shimano 400 LX	Shimano Deore LX	SunTour X-1 Chroma	Shimano 400 LX	Shimano 300 LX	Shimano 200 GS	SunTour XCU	Shimano 500 LX	SunTour XCU
R Derailleur	Shimano Deore XT 7-speed	Shimano Deore LX 7-speed	Shimano 400 LX 7-speed	Shimano Deore LX 7-speed	SunTour X-1 Chroma AccuShift Plus	Shimano 400 LX 7-speed	Shimano 300 LX 7-speed	Shimano 200 GS 7-speed	SunTour XCU 7-speed AccuShift Plus	Shimano 500 LX 7-speed	SunTour XCU 7-speed AccuShift Plus
Shift Levers	Shimano Rapid Fire 7-speed	Shimano Rapid Fire 7-speed	Shimano Rapid Fire 7-speed	Shimano Rapid Fire 7-speed	SunTour X-1 X-press 7-speed	Shimano Rapid Fire 7-speed	Shimano Rapid Fire 7-speed	Shimano Rapid Fire 7-speed	SunTour X-press 7-speed	Shimano Rapid Fire 7-speed	SunTour X-press 7-speed
Freewheel	Shimano Freehub Cassette 12-28T 7-speed Hyperglide	Shimano Freehub Cassette 12-28T 7-speed Hyperglide	Shimano Freehub Cassette 13-30T 7-speed Hyperglide	Shimano Freehub cassette 13-30T 7-speed Hyperglide	SunTour X-1 13-30T AccuShift Plus	Shimano Freehub cassette 13-30T 7-speed Hyperglide	Shimano Freehub cassette 13-30T 7-speed Hyperglide	Shimano Freehub cassette 13-30T 7-speed Hyperglide	SunTour 7-speed AccuShift Plus	Shimano freehub cassette 13-30T 7-speed Hyperglide	SunTour 7-speed AccuShift Plus
Chain	Shimano Deore XT 7-speed Hyperglide	Shimano Deore LX 7-speed Hyperglide	Shimano 7-speed	Shimano Deore LX 7-speed Hyperglide	SunTour X-1 7-speed	Shimano 7-speed Hyperglide	Shimano 7-speed Hyperglide	Shimano 7-speed Hyperglide	SunTour 7-speed AccuShift Plus	Shimano 7-speed Hyperglide	SunTour 7-speed AccuShift Plus
Crankset	Shimano Deore XT 175mm	Shimano Deore LX 175mm	Shimano 400 LX 175mm	Shimano Deore LX 175mm	SunTour X-1 Chroma	Shimano 300 LX 175mm	Shimano 330 XL 175mm	Shimano 200GS 170mm	SunTour XCU 170mm	Shimano 170mm	SunTour XCU 170mm
BB Set	Shimano Deore XT sealed	Shimano sealed	Steel sealed	Steel sealed	Steel sealed	Steel sealed	Steel sealed	Steel sealed	Steel sealed	Steel sealed	Steel sealed
Chainrings	Shimano 48-38-28T Superglide round alloy	Shimano 48-38-28T Superglide round alloy	Shimano 48-38-28T Superglide Biopace	Shimano 48-38-28T Superglide Biopace alloy	SunTour 48-38-28T alloy power rings	Shimano 48-38-28T Superglide Biopace	Shimano 48-38-28T Superglide Biopace	Shimano 48-38-28T Superglide Biopace	SunTour 48-38-28T power ring	Shimano 48-38-28T Superglide Biopace	SunTour 48-38-28T Power Ring
Pedal	Shimano Deore XT with Shimano Clip, Tioga quick-clip nylon strap	Shimano Deore LX with Shimano Clip, Tioga quick-clip nylon strap	Composite low-profile with plastic powerclip and fast action strap	Composite low-profile with plastic powerclip and fast action strap	Composite low-profile with plastic powerclip and fast action strap	Oversized plastic platform with powerclip and fast action strap	Oversized plastic platform	Oversized plastic platform	Oversized plastic	Composite low profile with Tioga powerclip and fast action strap	Oversized plastic
Rims	Ritchey Vantage Comp 32 hole silver	Ritchey Vantage Comp 32 hole silver	Araya VP-20 alloy 36 hole	Araya VP-20 alloy 36 hole	Araya VP-20 alloy 36 hole	Araya VP-20 alloy 36 hole	Araya VP-20 alloy 36 hole	Araya MP-22 alloy 36 hole	Araya MP-22 alloy 36 hole	Araya PX-45 700 C alloy 36 hole	Araya SP-38 700 C alloy 36 hole
Spokes	15 gauge stainless steel	15 gauge stainless steel	14 gauge stainless	14 gauge stainless steel	14 gauge stainless steel	14 gauge UCP	14 gauge UCP	14 gauge UCP	14 gauge UCP	14 gauge UCP	14 gauge UCP
Hubs	Shimano Deore XT alloy quick release front/rear	Shimano Deore LX alloy quick release front/rear	Shimano 400 LX alloy quick release front/rear	Shimano Deore LX alloy quick release front/rear	SunTour X-1 alloy quick release front/rear	Shimano 300 LX alloy quick release front/rear	Shimano 300 XL alloy quick release front/rear	Shimano alloy quick release front/rear	Alloy low flange quick release front	Shimano alloy quick release front/rear	Alloy low flange quick release front
Tires	Ritchey Kevlar Megabite Hardrive 2.1	Ritchey Megabite Hardrive 2.1	Ritchey Megabite Hardrive 2.1	Ritchey Megabite Hardrive 2.1	Ritchey Megabite Hardrive 2.1	26" x 1.95" skinwall knobby	26" x 1.95" skinwall knobby	26" x 1.95" skinwall knobby	26" x 1.50" multi-surface knobby	Multi-surface 700 x 38 C Skinwall	Multi-surface 700 x 35 C Skinwall
Seat	Vetta Gel Shock Absorber	Vetta Gel Shock Absorber	Vetta Shock Absorber	Vetta Gel Shock Absorber	Vetta Gel Shock Absorber	Vetta Gel Lycra	Vetta Gel Lycra	Vetta Gel Lycra	Vetta Shock Absorber	Vetta Gel	Vetta Shock Absorber
Seatpost & Clamp	4130 CRMO 300mm with quick release	4130 CRMO 300mm with quick release	4130 CRMO 300mm with quick release	Oversize 4130 CRMO 300mm with quick release	Oversize 4130 CRMO 300mm with quick release	Oversize 4130 CRMO 300mm with quick release	Alloy micro-adjust 30mm with quick release	250mm high-tensile steel with quick release	High-tensile steel 300mm	4130 CRMO 300mm with quick release	High-tensile steel 300mm
Colors	Neon Red/Yellow/White Fade, Gloss Black	Neon Blue, Neon Red (Chrome forks)	Neon Blue/Green/White Fade, Neon Red w/Black Fork	Neon Yellow/Lime Fade, Neon Blue	Neon Yellow/Lime Fade, Neon Blue	Blue Spatter, Gloss Black	Neon Yellow, Neon Blue	Neon Lime, Gloss Black	Neon Blue, Gloss Black, Turquoise (ladies only)	Neon Blue, Gloss Black, Ladies Pearl White w/Gloss Black Fork	Mens: Neon Blue, Gloss Black, Ladies: Turquoise
Sizes	Mens: 17.5", 18.5", 21.5"	Mens: 17.5", 18.5", 21.5"	Mens: 17.5", 18.5", 21.5"	Mens: 16.5", 18", 20", 22"	Mens: 16.5", 18", 20", 22"	Mens: 16.5", 18", 20", 22"	Mens: 15", 18", 20", 22" Ladies: 16.5"	Mens: 15", 18", 20", 22" Ladies: 16.5"	Mens: 15", 18", 22" Ladies: 16"	Mens: 17", 18", 21", 23" Ladies: 17"	Mens: 17", 18", 21", 23" Ladies: 17"

COMPETITION

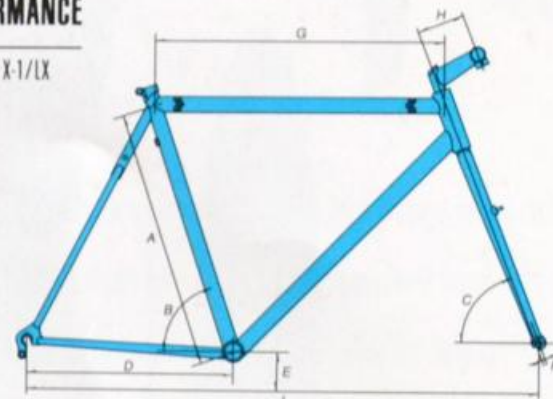
- EXTREME COMP
- EXTREME
- IMPULSE COMP



A FRAME SIZE	17.5	19.5	21.5
B SEATTUBE ANGLE	73°	73°	73°
C HEADTUBE ANGLE	71°	71°	71°
D HEADTUBE LENGTH	3.5"	3.5"	3.5"
E CHAINSTAY LENGTH	16.75"	16.75"	16.75"
F BB HEIGHT	11.63"	11.63"	11.63"
G FORK OFFSET	1.63"	1.63"	1.63"
H TOP TUBE LENGTH	22.5"	23.0"	23.5"
I STEM REACH	115mm	135mm	150mm
J STEM RISE	35mm	85mm	85mm
K WHEELBASE	41.0"	41.5"	42.0"

PERFORMANCE

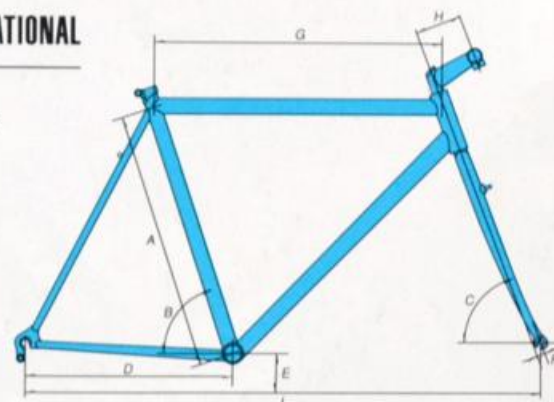
- IMPULSE X-1/LX
- ESCAPE



A FRAME SIZE	16.5"	18"	20"	22"
B SEATTUBE ANGLE	73°	73°	73°	73°
C HEADTUBE ANGLE	71°	71°	71°	71°
D CHAINSTAY LENGTH	16.75"	16.75"	16.75"	16.75"
E BB HEIGHT	11.7"	11.7"	11.7"	11.7"
F FORK OFFSET	1.75"	1.75"	1.75"	1.75"
G TOP TUBE LENGTH	21.25"	22.0"	23.0"	23.5"
H STEM REACH	110mm	110mm	130mm	130mm
I WHEELBASE	40.75"	41.25"	41.75"	42.25"

RECREATIONAL

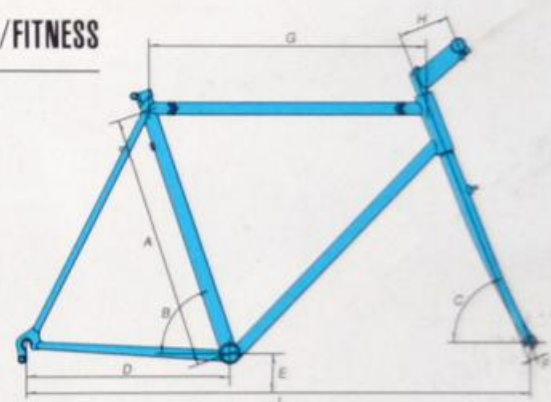
- EXCESS
- IMPASSE
- ACCENT



A FRAME SIZE	15"	LADIES 16.5"	18"	20"	22"
B SEATTUBE ANGLE	73°	73°	73°	73°	73°
C HEADTUBE ANGLE	70.5°	70.5°	70.5°	70.5°	70.5°
D CHAINSTAY LENGTH	17.0"	17.0"	17.0"	17.0"	17.0"
E BB HEIGHT	11.3"	11.3"	11.3"	11.3"	11.3"
F FORK OFFSET	1.7"	1.7"	1.7"	1.7"	1.7"
G TOP TUBE LENGTH	21.0"	21.5"	21.75"	22.25"	22.75"
H STEM REACH	80mm	80mm	80mm	100mm	100mm
I WHEELBASE	40.75"	41.0"	41.25"	41.5"	41.75"

HYBRID/FITNESS

- OMEGA
- ALPHA



A FRAME SIZE	LADIES 17"	17"	18"	21"	23"
B SEATTUBE ANGLE	73°	73°	73°	73°	73°
C HEADTUBE ANGLE	71°	71°	71°	71°	71°
D CHAINSTAY LENGTH	17.0"	17.0"	17.0"	17.0"	17.0"
E BB HEIGHT	11.20"	11.20"	11.20"	11.20"	11.20"
F FORK OFFSET	1.70"	1.70"	1.70"	1.70"	1.70"
G TOP TUBE LENGTH	20.75"	20.75"	21.25"	22.0"	22.75"
H STEM REACH	80mm	80mm	100mm	120mm	120mm
I WHEELBASE	41.0"	41.0"	41.5"	41.75"	42.0"

All 1991 HARO bicycles are covered by a limited Lifetime Warranty. See your local HARO Dealer for details.

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