

PERSPECTIVES

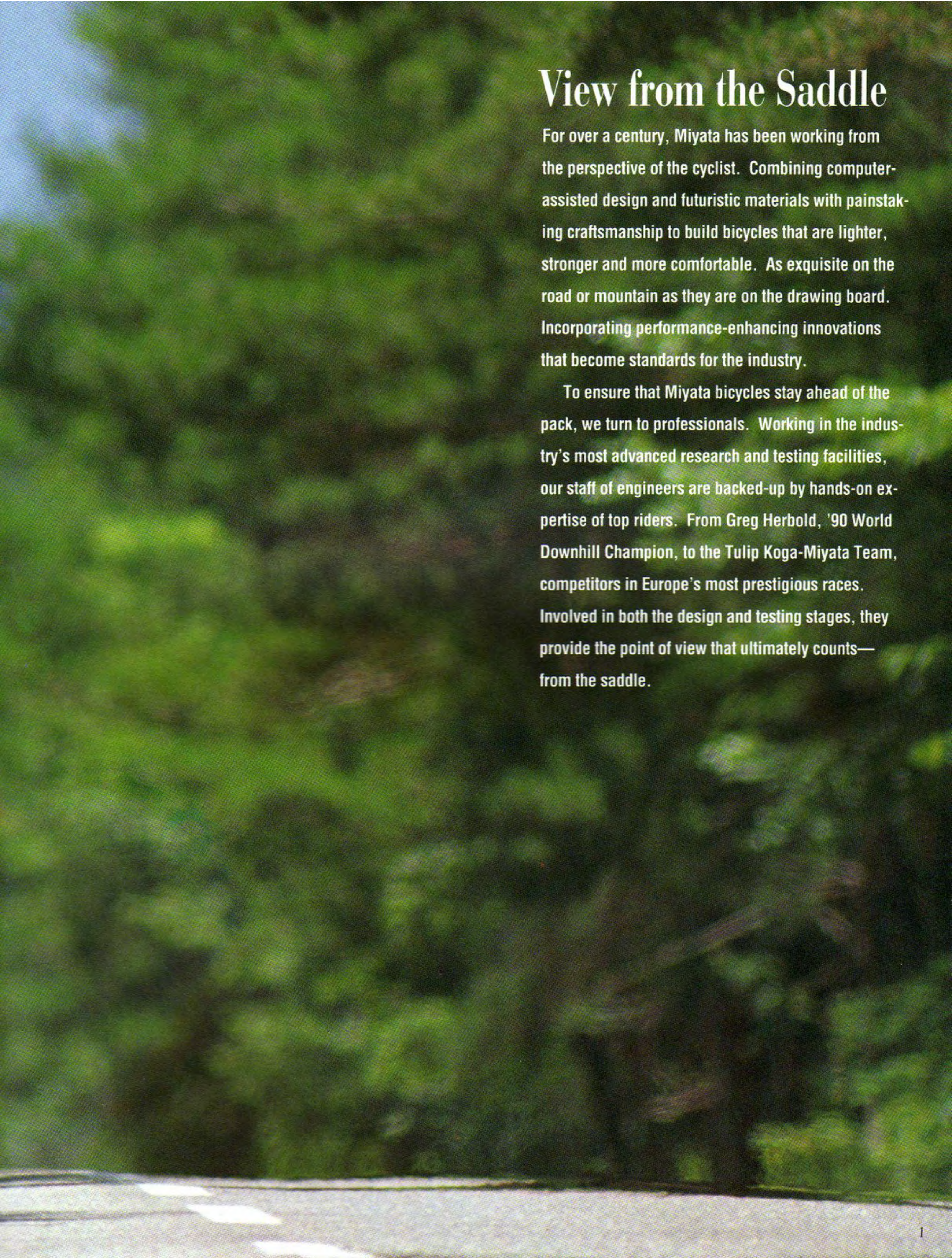
1993 Cyclist's Catalog



miyata

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View from the Saddle

For over a century, Miyata has been working from the perspective of the cyclist. Combining computer-assisted design and futuristic materials with painstaking craftsmanship to build bicycles that are lighter, stronger and more comfortable. As exquisite on the road or mountain as they are on the drawing board. Incorporating performance-enhancing innovations that become standards for the industry.

To ensure that Miyata bicycles stay ahead of the pack, we turn to professionals. Working in the industry's most advanced research and testing facilities, our staff of engineers are backed-up by hands-on expertise of top riders. From Greg Herbold, '90 World Downhill Champion, to the Tulip Koga-Miyata Team, competitors in Europe's most prestigious races. Involved in both the design and testing stages, they provide the point of view that ultimately counts—from the saddle.

To build better bikes, Miyata starts with the development of lighter, stronger, higher performance frame tubing—exploiting sophisticated technologies from the aerospace industry to leave the competition in the dust. We then join these high-tech tubes with



Miyata's original APA (Aluminum Pressurized Adhesive) method to produce bonds that are actually stronger than the tubes themselves. And finally, we finish our frames with an elaborate seven-step process to ensure that they are as tough as they are beautiful, constructed to conquer any terrain.

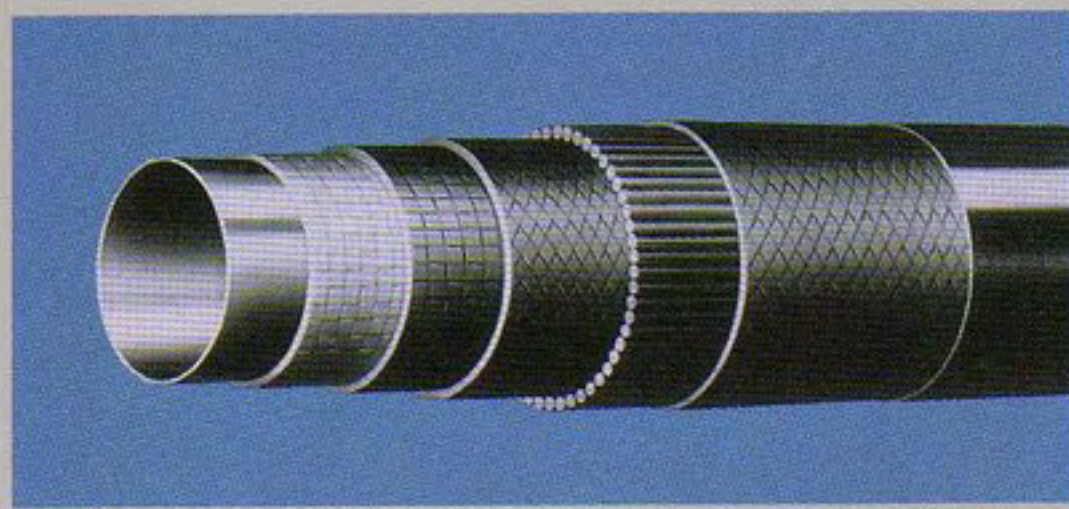
APA Bonding

Miyata's original APA (Aluminum Pressurized Adhesive) technique produces bonds that are up to twice as strong as brazed steel joints—actually stronger than the tubes and lugs they hold together. Equally important, APA bonding is achieved without high-temperature processing, which can cause warping and loss of tube strength.



A special adhesive is applied to the joint, which is held under 4,200 pounds-per-square-inch pressure while being heated to 150 degrees centigrade. Heat, acting as a catalyst, creates a chemical reaction, permanently bonding the lug and tube.





Carbon Fiber

Carbon fiber is the most advanced frame material available. Developed for the U.S. space program, shock absorbent carbon is stronger and lighter

than titanium, aluminum, or steel.

To create the carbon fiber tubes used in Miyata frames, we laminate resin impregnated layers of carbon rods around a thin

sleeve of tempered aluminum. As corrosion can occur when carbon and aluminum come into contact, an isolator is sandwiched between the two materials.

Because the core of these tubes is aluminum, we can use APA bonding to create a virtually unbreakable aluminum to aluminum connection between the frame tubes and joining lugs.

Titanium Alloy

Impervious to sweat, road salt, oxidation and acid rain, titanium is a corrosion-free miracle metal that is stronger than steel, lighter and stiffer than aluminum, and as shock absorbent as carbon. However, connecting titanium tubes with conventional welding methods tends

to result in a bicycle frame that is brittle, warped or prohibitively expensive.

Miyata is able to solve these problems with APA bonding, taking maximum advantage of titanium's superior performance characteristics to create frames that are ruggedly durable, perfectly aligned and easily affordable.

efficiency, it dampens shock 50% faster, smoothing out the bumps in the road before they reach the rider.

Miyata employs APA bonding, rather than high-temperature welding, to join aluminum tubes with light-alloy lugs. The result is a light, rigid, high performance frame, perfectly aligned and built to last.

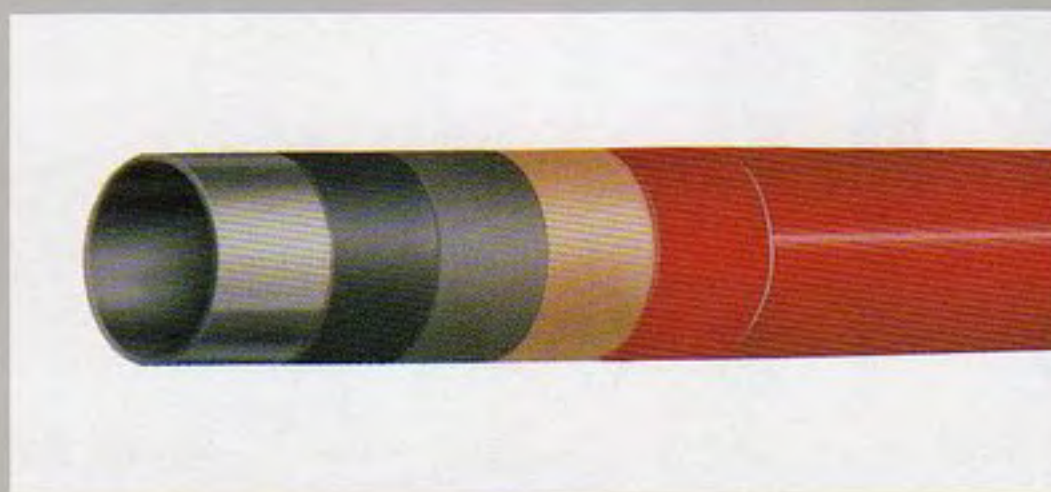
STB (Splined Triple-Butted) Chrome-Moly

At Miyata, we "triple butt" our chrome-moly tubes for minimum weight, maximum strength. Each main frame tube has three tube wall thicknesses—a different thickness for each end and the middle—depending on precise stress load.

We then add spiraled ridges of steel to the interior tube wall to compensate for torsion stress, or twisting. These "splines" enable us to further reduce tube thickness, while making Miyata chrome-moly frames even stronger.

Aircraft-Grade Aluminum

Not only is aluminum lighter and stiffer than steel for greater cycling



7-Step Finishing Process

Miyata uses a seven-step process to create a beautiful finish that will last the life of the bike. The frame is polished and treated with zinc phosphate to improve paint adhesion and eliminate rusting.

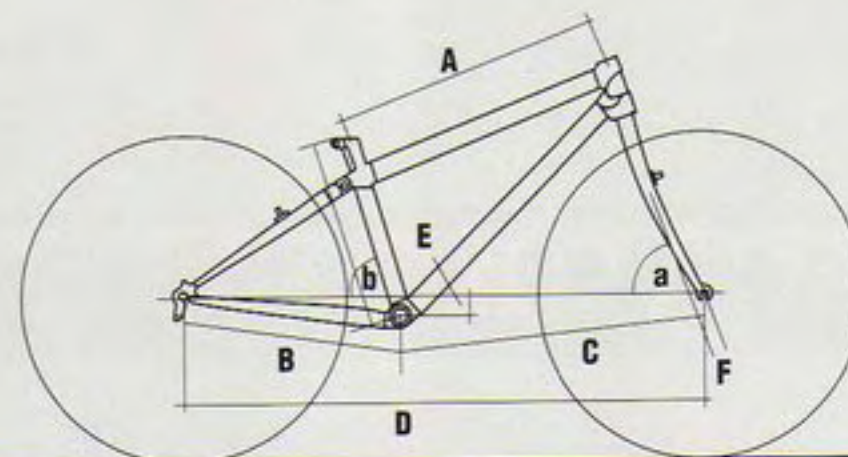
Then it is painted, using the latest electrostatic techniques, with layers of primers and finishing lacquers. After applying decals, we add a topcoat of hard, clear acrylic for deep luster and tough protection.

Miyata's design philosophy is based on finding real-life solutions. Innovations that give you an edge. Creative ways to make cycling not only faster and more exciting, but safer and more comfortable, too. And to develop the features that serious cyclists want, we go to the source. Professionals like Greg Herbold, one of the world's fastest off-road racers. In fact, many of our mountain bikes boast a package of gear that bear Greg's name. Once we have input from the field, we set our staff of engineers loose to design bikes that consistently outperform the others, on and off the road.



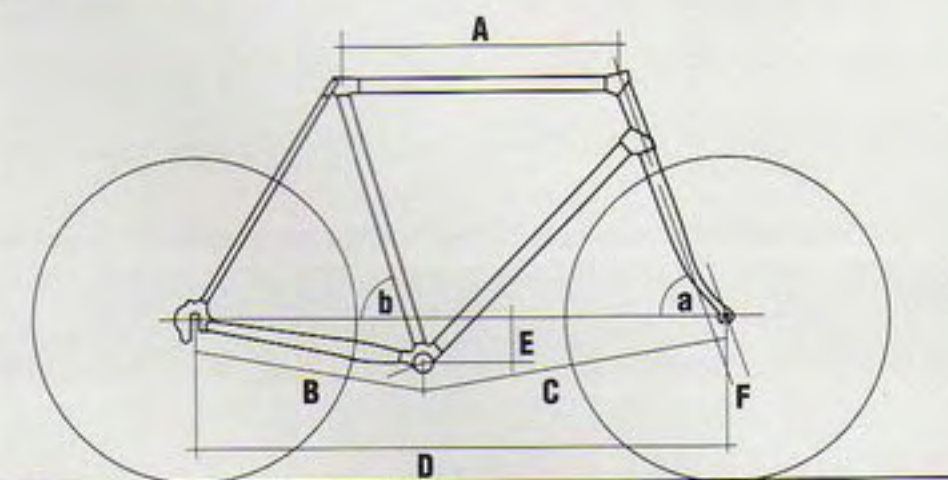
Super Sloping Design (Mountain Bikes)

The dramatically sloping top tube on Miyata mountain bikes allows greater clearance for enhanced safety, stability and performance. Super oversized tubing, constructed from the lightest frame materials in existence, add strength and durability.

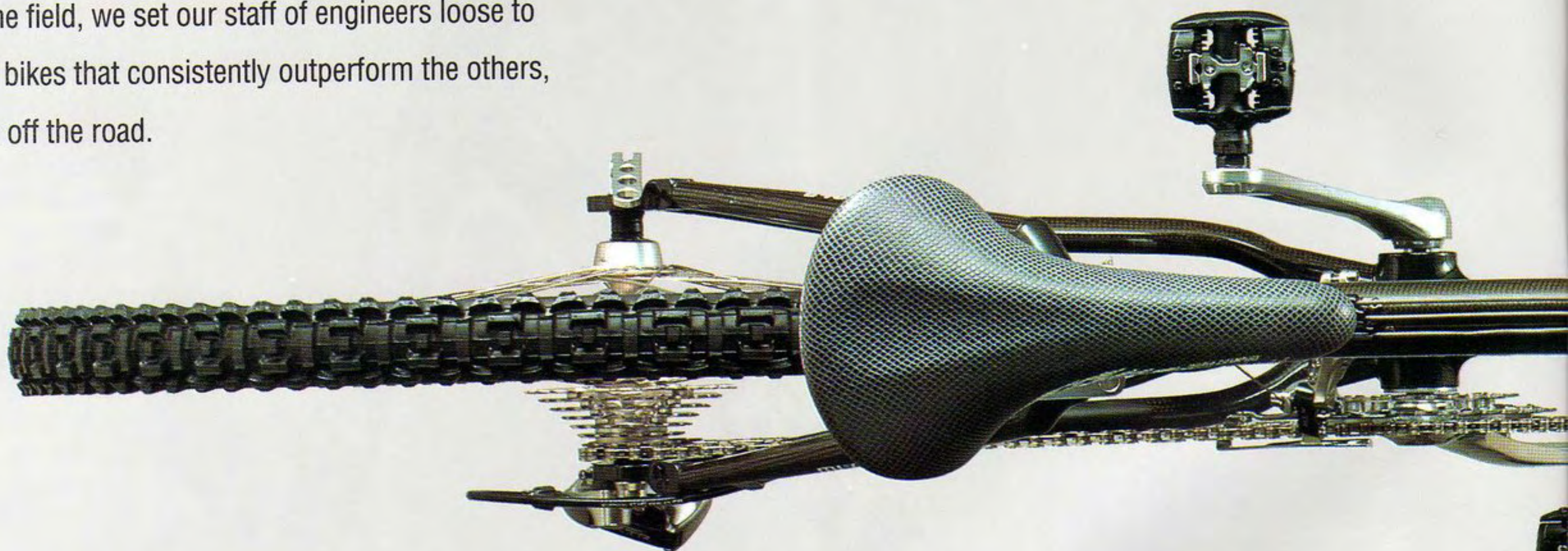


New Frame Dimensions (Road Bikes)

This year, we made significant changes in the dimensions of Miyata road bikes, increasing frame size while decreasing the seat angle. The biggest advantage of this new design is especially noticeable during sprints—more speed, less pain.



We were also able to reduce frame weight, cutting the overall poundage of even our lightest racer, the Team Carbon, by 10%. Other innovations include new head lugs, seat lugs with integrated clip-type wiring stoppers, and mono seat stays.

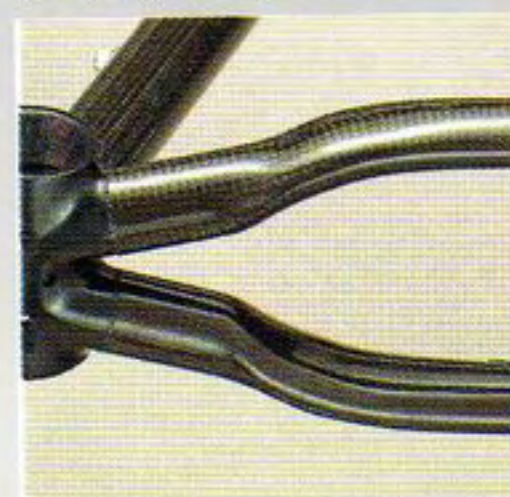


"Delta Force" Seat Stay

Miyata's "Delta Force" mono seat stay minimizes frame weight while increasing resistance to rear triangle twisting. Wide enough to accommodate 2.5" tires, its compact design provides more thigh clearance.

"Air Cobra" Chainstay

Built to accommodate wide tires, the unique short, curved "Air Cobra" chainstay increases uphill pedaling efficiency and prevents the chain from getting stuck.

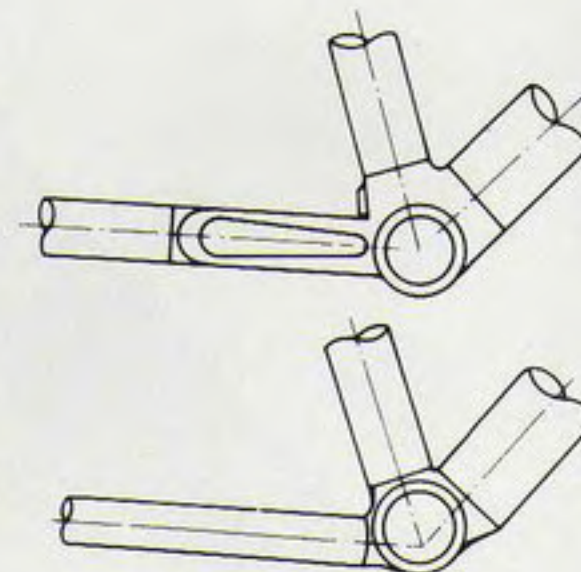


Quick Release Seat and Wheels

For quick adjustment and disassembly, the seat and wheels can be released by flipping simple levers.

Eccentric Bottom Bracket

The eccentric bottom bracket design lowers the chainstay for better chain clearance, minimizing chain slap. With careful contouring, Miyata was able to reduce its weight while increasing its size for extra strength and less pedaling power loss. A small hole allows water accumulated in the seat tube to drain.





Greg Herbold

Greg Herbold High Performance Package

Most Miyata mountain bikes are equipped with a package of high performance components developed with the guidance of Greg Herbold—professional racer and 1990 World Downhill Champion. A key member of the

Miyata team, Greg pushes our bikes to their limits, testing them under the most demanding conditions imaginable.



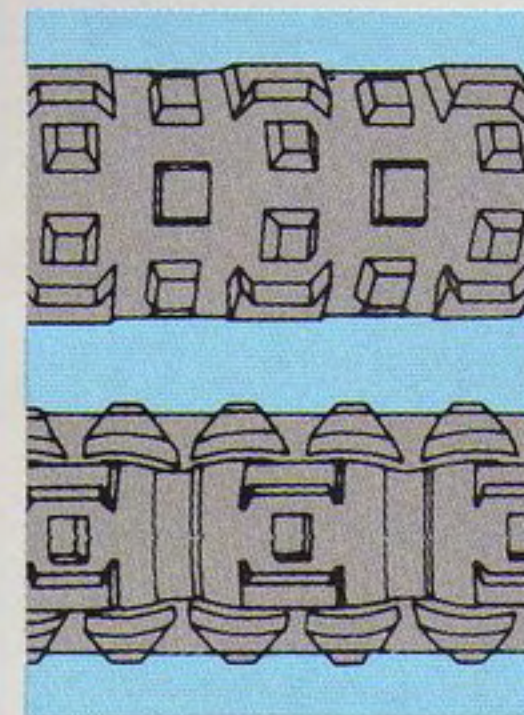
Herbold Performance Saddle

The Herbold Performance Saddle is specially

streamlined for improved fore/aft adjustment and thigh clearance, and three special high-contact patches protect against cutting in crashes. Selected models come with titanium or chrome-moly rails for added strength and reduced weight.

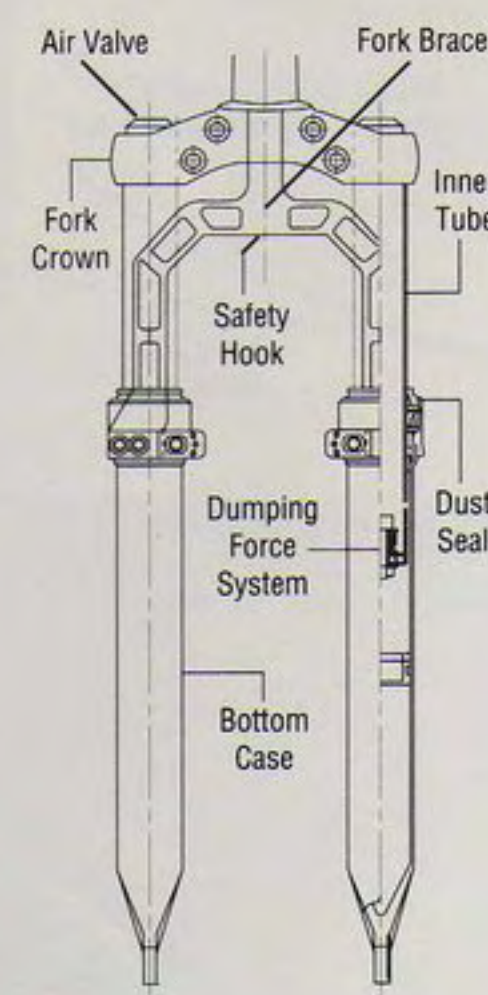
Herbold Competition Grips
Hexagonal Herbold Competition Grips are anatomically designed to fit your hand perfectly. Their narrow circumference allows the use of thick gloves, and high pressure areas feature a special ribbed pattern to improve shock absorption and prevent slipping.

G.H. Special Tires
Greg worked with Miyata's computer design team to develop complementary tread patterns for front and rear tires. The front tire's wider-spaced knobs and round profile provide increased braking and cornering control, while the rear tire's special "HB" tread pattern and square profile give superior traction.



Front Suspension Fork

The front suspension fork, standard on Miyata's top two mountain bike models, allows the front wheel to move up and down with the contours of the trail, improving traction, speed and control.



Top Tube Wiring

Shift wires run along the top tube to reduce gear shifting problems caused by accumulation of dirt, and increase the reliability of the front gear mechanism.



Lug-Integrated Clip-Type Wiring Stoppers

On Miyata road bikes, top tube wiring is held in place by clip-type stoppers integrated into the seat lug and along the top frame tube using APA bonding. The unique design of these stoppers make it easy to remove wires for maintenance.



Dimpled Head Lug

The head lug is contoured for less weight and more strength.

Technology that Translates to the Trail

For amateur cyclists, technological innovations mean a faster, easier, more comfortable ride. For pros, like Greg Herbold, having the most advanced machine can make the winning difference.

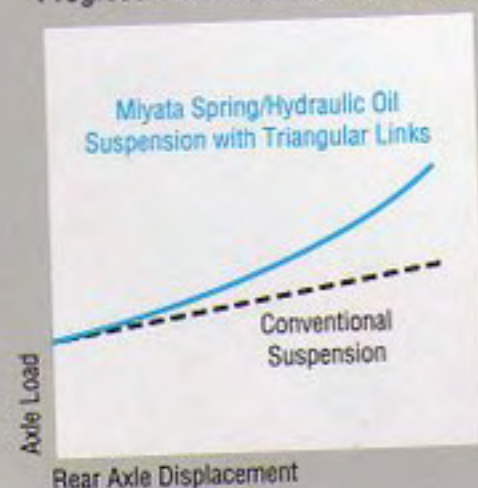
Miyata is a leader in the development of technology, consistently introducing new materials, construction techniques and design concepts that revolutionize the bicycle industry. Breakthroughs that translate into higher levels of performance on the trail.



Miyata's Original Triangular Links

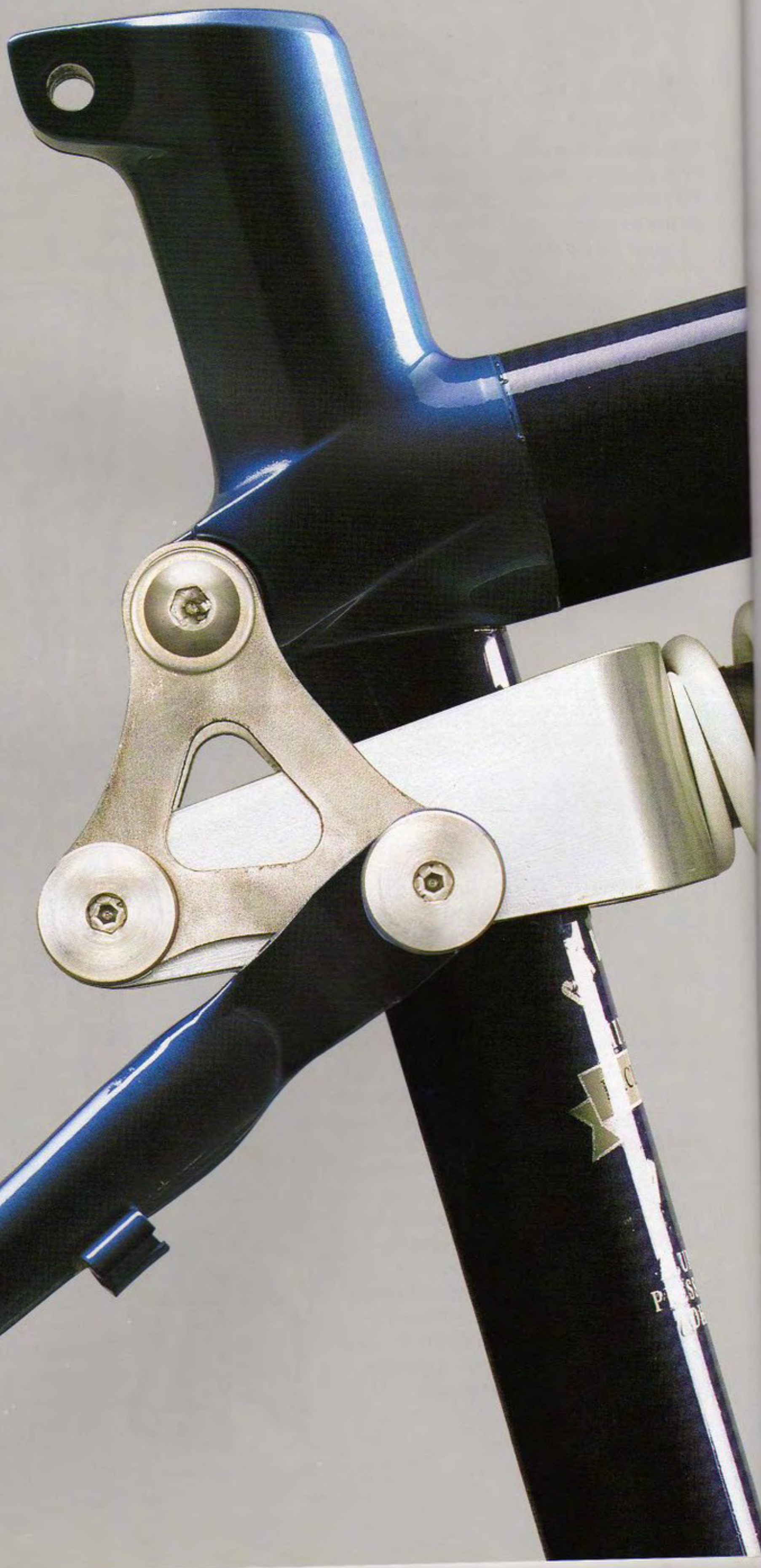
Rather than bolting the suspension mechanism directly to the seat stay, Miyata employs two triangular links that provide movement to actually improve its progressive resistance characteristics. The suspension is soft when shocks are small, becoming harder as shocks get larger, improving rear wheel ground contact for more effective traction.

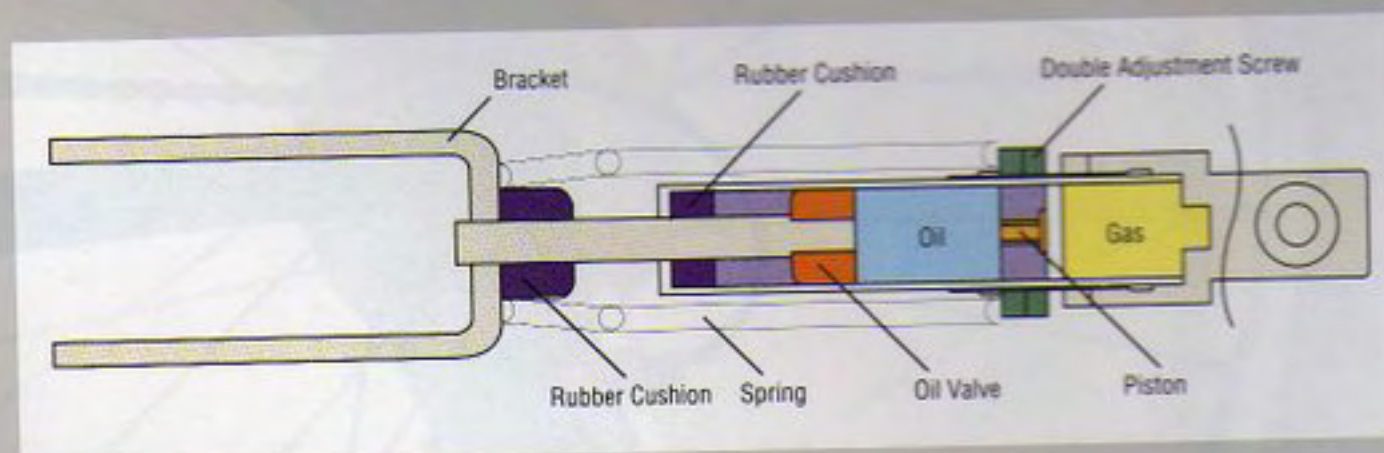
Progressive Resistance Comparison



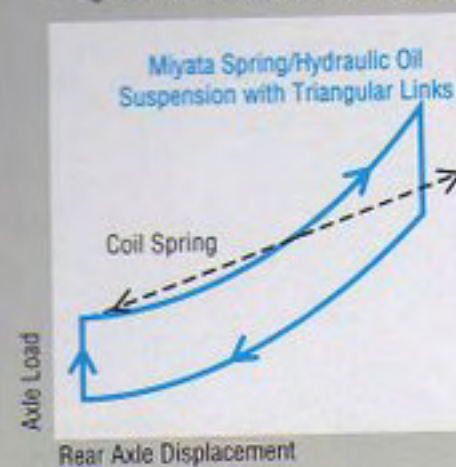
Bottom Bracket/Chainstay Pivot

Miyata's unique investment cast Bottom Bracket/Chainstay Pivot lug provides a very strong and smooth chainstay pivot point. Located directly behind the pedal axis, the pivot location ensures a rigid, true tracking frame, as well as smooth pedaling action.





Progressive Resistance Comparison



Miyata Original Rear Suspension

Rear suspension does much more than provide a smoother ride. It improves wheel-to-ground contact, keeping the bike on the dirt more of the time to ensure better control and

cycling efficiency, so you go faster.

By using both a spring and a hydraulic oil damper, Miyata's rear suspension constantly maintains damping force that is appropriate to the shock load. As the amount of load

is increased, the amount of damping force, or resistance, increases progressively. Resistance is least when compensating for quick, small shocks and greatest closest to the point at which the spring is completely

compressed, providing a consistently smooth ride with maximum ground contact. As the spring's nominal stiffness is adjustable, variation can be made according to rider weight, riding skill and the terrain.

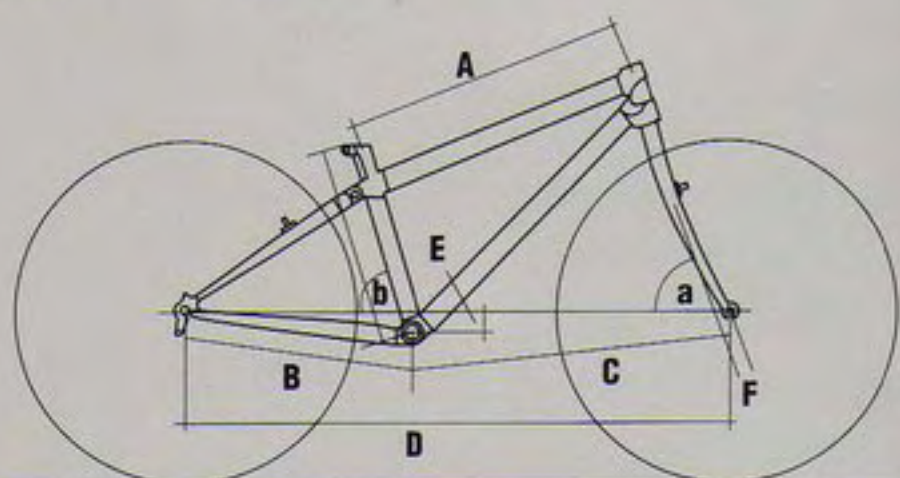
Mountain Bikes

Whether you're a hard-core rider or a weekend cyclist, Miyata mountain bikes boast the performance and durability to rule the trail. From state-of-the-art models constructed from the lightest, strongest materials on the market, to muscle machines for bikers on a budget, the Miyata mountain line is built to get down and dirty.



Elevation 12000 Specifications

Frame	APA Bonded Oversize Carbon, Chrome-Moly Stays, Original Ends
Front Fork	Showa
R. Suspension	Miyata Original Suspension
Head Set	Tange Ahead
B. B. Set	Shimano BB-UN51
Crank Set	Shimano Deore LX FC-M560, 46 x 36 x 26
F. Derailleurs	Shimano Deore XT FD-M560
R. Derailleurs	Shimano Deore XT RD-M560SGS
Shifter	Shimano Deore LX ST-M560
Cluster	Shimano CS-HG70, 12/28 7SP
Chain	Shimano CN-HG50
Brakes	Shimano Deore LX BR-M560
Pedals	Shimano SPD PDM-525
Hubs	Shimano (F) Deore LX HB-M560, (R) Deore LX FH-M560
Rims	Ukai EX17 Sil 32H
Spokes	Hoshi 14SUS430
Tires	Miyata G.H. 26 x 2.1 w/ A.V. Tube
Saddle	Miyata G.H. Chrome-Moly
Seat Pillar	SR MT-EN335
Handle Bar	Kusuki SF560 Aluminum
Handle Stem	Hsin Lung Zoom Clip on Titanium
Tape/Grips	G.H. Grips
Seat Pin	Miyata Q/R Design
Q/R Skewer	Miyata Q/R Design
Bar End	Onza Aluminum Long
Sizes	16.5, 18.5
Colors	B-227



Elevation 12000 Frame Geometry (mm)

	A	B	C	D	E	F	a	b
	Top	Rear	Front	Wheel	BB	Off	Head	Seat
	Tube	Center	Center	Base	Drop	Set	Angle	Angle
16.5"	545	425	626	1048	35	46	71°	73°
18.5"	590	425	647	1069	35	46	71°	73°



Elevation 12000

- Carbon Fiber APA Bonded Frame
- Super Oversized Tubing • Miyata Rear Suspension • Front Suspension Fork
- Herbold Performance Saddle with Chrome-Moly Rails and Herbold Competition Grips • G.H. Tires • Shimano Deore LX Drivetrain, Deore XT Front and Rear Derailleur with Rapidfire Plus Shifters, 7-Speed • Shimano Deore LX SLR Plus Cantilever Brakes • Shimano SPD Pedals
- Color: Banzai Blue



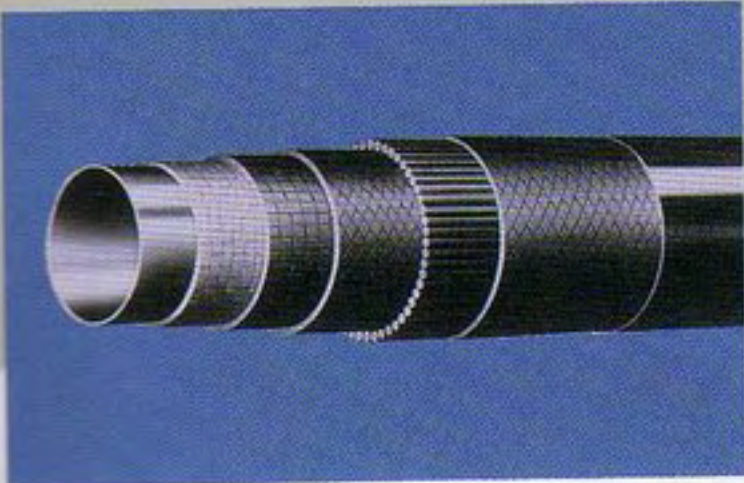
Elevation 10000 Specifications

Frame	APA Bonded Oversize Carbon, Carbon Stays, Aluminum Forged Ends	Hubs	(F) Ringle Bubba (R) Shimano XTR FH-M900
Front Fork	RS MAG21	Rims	Araya RM395 32H
Head Set	Tange Ahead Aluminum	Spokes	14/15G Stainless
B. B. Set	Shimano BB-UN91	Tires	Miyata G.H. Kevlar 26 x 2.1 w/ Superlite98 Tubes
Crank Set	Shimano XTR FC-M900A 46 x 36 x 26	Saddle	Miyata G.H. Titanium
F. Derailleurs	Shimano XTR FD-M901	Seat Pillar	Syncros Pro Post
R. Derailleurs	Shimano XTR RD-M900	Handle Bar	Nitto w/ Onza Ends
Shifter	Shimano XTR ST-M900	Handle Stem	Syncros Cattle Head
Cluster	Shimano XTR CS-M900 12/28 8SP	Tape/Grips	G.H. Grips
Chain	Shimano CN-7401	Seat Pin	Ringle Cam-Twist
Brakes	Shimano XTR BR-M900	Q/R Skewer	Ringle Cam-Twist
Pedals	Shimano SPD PDM-737	Bar End	Onza Aluminum Long
		Sizes	14.5, 16.5, 18.5, 20.5
		Colors	K-18



APA bonded joints are actually stronger than the tubes and lugs they hold together. Equally important, APA bonding is achieved without high-temperature processing, which can cause warping and loss of tube strength.

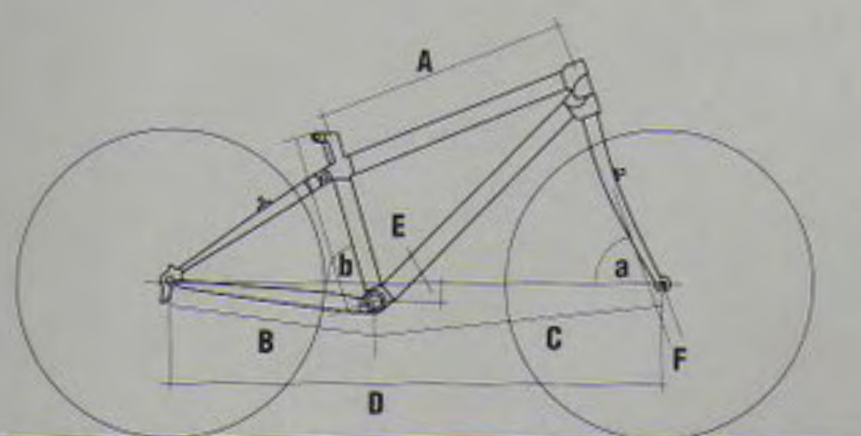
Carbon fiber is the strongest, lightest, most shock absorbent frame material available.



Elevation 10000

- Full Carbon Fiber APA Bonded Frame
- Super Oversized Tubing • Front Suspension Fork • Herbold Performance Saddle with Titanium Rails and Herbold Competition Grips • G.H. Kevlar Tires
- Shimano XTR Drivetrain with Rapidfire Plus Shifters, 8-Speed • Shimano XTR SLR Plus Cantilever Brakes • Shimano SPD Pedals
- Syncros Cattle Head Handle Stem
- Color: Fatal Black





Elevation 10000 and 8000 Frame Geometry (mm)

	A	B	C	D	E	F	a	b
	Top	Rear	Front	Wheel	BB	Off	Head	Seat
	Tube	Center	Center	Base	Drop	Set	Angle	Angle
14.5"	530	425	608	1031	35	46	71°	73°
16.5"	545	425	626	1048	35	46	71°	73°
18.5"	590	425	647	1069	35	46	71°	73°
20.5"	597	425	655	1077	36	46	71°10'	73°10'

Greg Herbold, professional racer and member of the Miyata design team.



Elevation 8000 Specifications

Frame	APA Bonded Oversize Titanium, Titanium Stays, Aluminum Forged Ends	Pedals	Shimano SPD PDM-525
Front Fork	Fat Max Aluminum, Chrome-Moly Steer, Alloy Blades, Alloy Forged Ends	Hubs	(F) Shimano Deore XT HB-M730 (R) Shimano Deore XT FH-M732
Head Set	Tange Ahead Aluminum	Rims	Araya RM395 32H
B. B. Set	Shimano BB-UN71	Spokes	14/15G Stainless
Crank Set	Shimano Deore XT FC-M730A 46 x 36 x 26	Tires	Miyata G.H. 26 x 2.1 w/ F.V. Tubes
F. Derailleurs	Shimano Deore XT FD-M736	Saddle	Miyata G.H. Chrome-Moly
R. Derailleurs	Shimano Deore XT RD-M735SGS	Seat Pillar	SR MT-EN335
Shifter	Shimano Deore XT ST-M095	Handle Bar	Nitto w/ Onza Ends
Cluster	Shimano Deore XT CS-HG90 12/28 7SP	Handle Stem	Nitto Ahead
Chain	Shimano CN-HG90	Tape/Grips	G.H. Grips
Brakes	Shimano Deore XT BR-M734-M	Seat Pin	Miyata Q/R Design
		Q/R Skewer	Miyata Q/R Design
		Bar End	Onza Aluminum Long
		Sizes	14.5, 16.5, 18.5, 20.5
		Colors	C-3/K-18

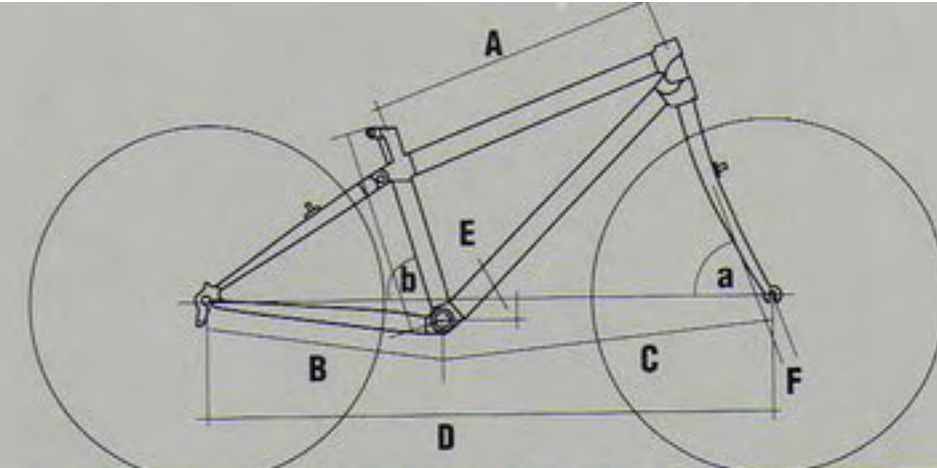
Elevation 8000

- Full Titanium APA Bonded Frame • Super Oversized Tubing • Aluminum APA Bonded Fat Max Fork • Herbold Performance Saddle with Chrome-Moly Rails and Herbold Competition Grips • G.H. Special Tires
- Shimano Deore XT Drivetrain with Top Pull Front Derailleur and Rapidfire Plus Shifters, 7-Speed • Shimano Deore XT SLR Plus Cantilever Brakes • Shimano SPD Pedals
- Colors: Armor/Fatal Black



Elevation 5000 Specifications

Frame	APA Bonded Oversize Aluminum, Aluminum Stays, Aluminum Forged Ends	Pedals	Shimano SPD PDM-525
Front Fork	Fat Max Aluminum, Chrome-Moly Steer, Alloy Blades, Alloy Forged Ends	Hubs	(F) Shimano Deore XT HB-M730 (R) Shimano DeoreXT FH-M732
Head Set	Tange Ahead Aluminum	Rims	Araya RM395 32H
B. B. Set	Shimano BB-UN71	Spokes	14/15G Stainless
Crank Set	Shimano Deore XT FC-M730A 46 x 36 x 26	Tires	Miyata G.H. 26 x 2.1 w/ F.V. Tubes
F. Derailleurs	Shimano Deore XT FD-M736	Saddle	Miyata G.H. Chrome-Moly
R. Derailleurs	Shimano Deore XT RD-M735SGS	Seat Pillar	SR MT-EN335
Shifter	Shimano Deore XT ST-M095	Handle Bar	Nitto w/ Onza Ends
Cluster	Shimano Deore XT CS-HG90 12/28 7SP	Handle Stem	Nitto Ahead
Chain	Shimano CN-HG90	Tape/Grips	G.H. Grips
Brakes	Shimano Deore XT BR-M734-M	Seat Pin	Miyata Q/R Design
		Q/R Skewer	Miyata Q/R Design
		Bar End	Onza Aluminum Long
		Sizes	14.5, 16.5, 18.5, 20.5
		Colors	C-2



Elevation 5000, 4000 and 2000 Frame Geometry (mm)

	A Top Tube	B Rear Center	C Front Center	D Wheel Base	E BB Drop	F Off Set	a Head Angle	b Seat Angle
14.5"	530	425	608	1031	35	46	71°	73°
16.5"	545	425	626	1048	35	46	71°	73°
18.5"	590	425	647	1069	35	46	71°	73°
20.5"	597	425	655	1077	36	46	71°10'	73°10'

The Herbold Performance Saddle is specially streamlined for improved fore/aft adjustment and thigh clearance.



Elevation 5000

- Full Aluminum APA Bonded Frame
- Super Oversized Tubing • Aluminum APA Bonded Fat Max Fork • Herbold Performance Saddle with Chrome-Moly Rails and Herbold Competition Grips • G.H. Special Tires
- Shimano Deore XT Drivetrain with Top Pull Front Derailleur and Rapidfire Plus Shifters, 7-Speed • Shimano Deore XT SLR Plus Cantilever Brakes • Shimano SPD Pedals
- Miyata Quick Release Design Seat Pin and Skewer • Color: Platinum



G.H. Special Tires
feature distinct tread
patterns for front and
rear tires to maximize
the performance of each.



Specifications	Elevation 4000	Elevation 2000	Elevation 4000	Elevation 2000
Frame	APA Bonded Oversize Aluminum, Aluminum Stays, Aluminum Forged Ends	APA Bonded Oversize Aluminum, Chrome-Moly Stays, Aluminum Forged Ends	(F) Shimano Deore DX HB-M650 (R) Shimano Deore DX FH-M650	(F) Shimano Deore LX HB-M560 (R) Shimano Deore LX FH-M560
Front Fork	Fat Max Aluminum, Chrome-Moly Steer, Alloy Blades, Alloy Forged Ends	Fat Max II, Chrome-Moly Steer, Chrome-Moly Blades, Investment Cast Ends	Araya RM17 Sil32H 14G Stainless Miyata G.H. 26 x 2.1 w/ A.V. Tubes	Ukai EX17 Sil 32H 14G Stainless Miyata G.H. 26 x 2.1 w/ A.V. Tubes
Head Set	Tange Ahead	Tange Ahead	Miyata G.H. Vinyl SR MT-EN335	Miyata G.H. Vinyl SR MT-EN335
B. B. Set	Shimano BB-UN51	Shimano BB-UN51	Nitto w/ Onza Ends	Nitto MTB-850LT w/ Onza Ends
Crank Set	Shimano Deore DX FC-MT60A 46 x 36 x 26	Shimano Deore LX FC-M560 46 x 36 x 26	HL Zoom Ahead G.H. Grips	HL Zoom Ahead G.H. Grips
F. Derailleurs	Shimano Deore DX FD-M651	Shimano Deore LX FD-M561	Tape/Grips Miyata Q/R Design	Tape/Grips Miyata Q/R Design
R. Derailleurs	Shimano Deore DX RD-M650SGS	Shimano Deore LX RD-M560SGS	Seat Pin Shimano Deore DX	Seat Pin Shimano Deore LX
Shifter	Shimano Deore DX ST-M075	Shimano Deore LX ST-M560	Q/R Skewer Onza Chrome-Moly Long	Q/R Skewer Onza Chrome-Moly Long
Cluster	Shimano CS-HG70 12/28 7SP	Shimano CS-HG70 12/28 7SP	Bar End 14.5, 16.5, 18.5, 20.5	Bar End 14.5, 16.5, 18.5, 20.5
Chain	Shimano CN-HG70	Shimano CN-HG50	Sizes R-207, C-4/S-18	Sizes K-18
Brakes	Shimano Deore DX BR-M650M	Shimano Deore LX BR-M560		
Pedals	Shimano SPD PDM-525	Shimano SPD PDM-525		



Elevation 4000

- Full Aluminum APA Bonded Frame
- Super Oversized Tubing • Aluminum APA Bonded Fat Max Fork • Herbold Performance Saddle with Herbold Competition Grips
- G.H. Special Tires • Shimano Deore DX Drivetrain with Top Pull Front Derailleur and Rapidfire Plus Shifters, 7-Speed
- Colors: Iron Ore Red, Purple Haze/Platinum



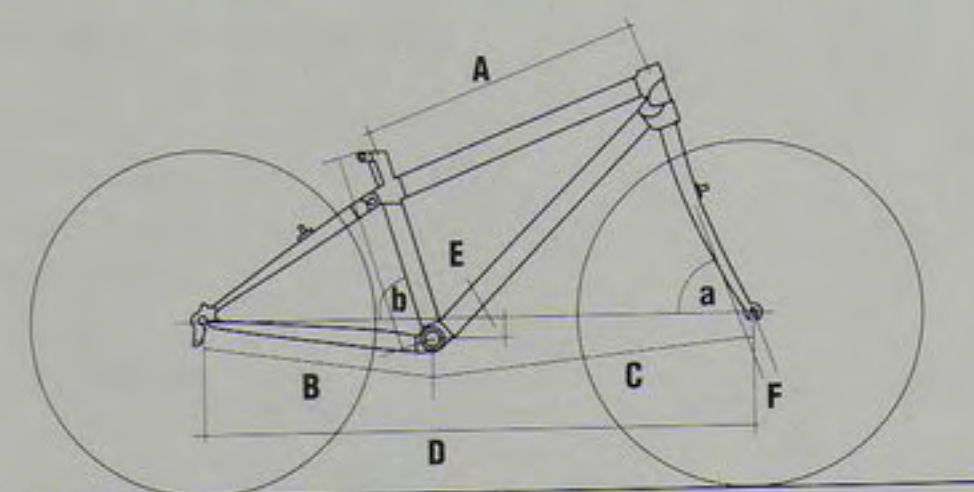
Purple Haze/Platinum



Elevation 2000

- Aluminum APA Bonded Frame with Chrome-Moly Stays • Super Oversized Tubing
- Fat Max II Full Chrome-Moly Fork
- Herbold Performance Saddle and Herbold Competition Grips • G.H. Special Tires
- Shimano Deore LX Drivetrain with Top Pull Front Derailleur and Rapidfire Plus Shifters, 7-Speed • Shimano Deore LX SLR Cantilever Brakes • Color: Fatal Black

Specifications	Elevation 500	Elevation 400		Elevation 500	Elevation 400
Frame	Chrome-Moly w/ STB T/T & D/T, Chrome-Moly Stays, Forged Ends, Dual H20	Chrome-Moly w/ STB D/T, Chrome-Moly Stays, Forged Ends, Dual H20	Chain Brakes	KMC KM-HG50 Shimano Exage LT BR-M320-M ST-M320	KMC KM-HG50 Shimano Altus A20 BR-AT20, ST-AT20
Front Fork	Chrome-Moly Steer, Chrome-Moly Unicrown Blades, Forged Ends	Chrome-Moly Steer, Chrome-Moly Blades, Forged Ends	Pedals Hubs	HTI-P38-BS Shimano (F) HB-RM500SE (R) FH-HG500SE	HTI-P38 Shimano (F) HB-RM50Q (R) FH-HG50Q
Head Set	Black Sealed Mech.	Black Sealed Mech.	Rims	Araya New VP-20	Araya New VP-20
B. B. Set	Shimano BB-LP20-73XL	Shimano BB-LP20	Spokes	14G Stainless	14G Stainless
Crank Set	Shimano Exage LT FC-M320SG 46 x 36 x 26T Round	Shimano Altus A10 FC-AT10 46 x 36 x 26T	Tires	Kenda K-817 26 x 2.1	Kenda K-817 26 x 2.1
F. Derailleurs	Shimano Exage LT FD-M321 Dual-SIS	Shimano Altus A10 FD-AT11 Top-Pul	Saddle	VL-190EMGE w/ Gel Lite	VL-186EMGE w/ Gel Lite
R. Derailleurs	Shimano Exage LT RD-M320SGS	Shimano Altus A10 RD-AT10SGS	Seat Pillar	Kalloy SP-266	Kalloy STP-243
Shifter	ST-M320 Rapidfire Plus, Dual-SIS	Shimano Altus A20 ST-AT20 Rapidfire Plus	Handle Bar	HL Alloy 560 Silver	HL Steel
Cluster	Shimano CS-HG50 13/30T 7SP	Shimano CS-HG50 13/30T 7SP	Handle Stem	Zoom Titanium Color	Zoom Sport Chrome-Moly
			Tape/Grips	Kraton BLK VLG-025R	Kraton BLK CB-3204
			Bar End	Onza Chrome-Moly	
			Sizes	14.5, 16.5, 18.5, 20.5	14.5, 16.5, 18.5, 20.5
			Colors	B-232, Y-129	M-31, G-162



Elevation 500, 400, and 300 Frame Geometry (mm)

	A Top Tube	B Rear Center	C Front Center	D Wheel Base	E BB Drop	F Off Set	a Head Angle	b Seat Angle
14.5"	531	424	608	1030	35	45	71°	73°
16.5"	545	424	625	1046	35	45	71°	73°
18.5"	565	424	648	1069	35	45	71°	73°
20.5"	576	424	648	1069	33.5	45	71°48'	72°48'

Elevation 500

- STB Chrome-Moly Frame • Oversized Tubing
- Full Chrome-Moly Unicrown Fork
- Shimano Exage LT Drivetrain and Derailleurs with Rapidfire Plus Shifters, 7-Speed • Shimano Exage LT Cantilever Brakes • Colors: Monday Blue, Ominous Orange

ELEVATION 500



Elevation 400

- STB Chrome-Moly Frame • Oversized Tubing • Full Chrome-Moly Unicrown Fork
- Shimano Altus A10 Drivetrain and Derailleurs with Rapidfire Plus Shifters, 7-Speed • Shimano Altus A20 Cantilever Brakes • Colors: Grape Swirl, NV Green

ELEVATION 400



Elevation 200 Frame Geometry (mm)

	A Top Tube	B Rear Center	C Front Center	D Wheel Base	E BB Drop	F Off Set	a Head Angle	b Seat Angle
14"	535	436	630	1064	38	48	70°	74°
16"	555	436	646	1080	38	48	70°	74°
18"	572	436	653	1086	38	48	70°	73°
19.5"	584	436	653	1086	38	48	70°30'	72°30'
21.5"	592	436	661	1094	38	48	70°30'	72°30'
16"L*		436	647	1080	38	48	70°	74°
18"L*		436	653	1086	38	48	70°	73°

* Women's Model

Specifications	Elevation 300	Elevation 200		Elevation 300	Elevation 200
Frame	Chrome-Moly w/ STB D/T, Hi-Ten Stays, Forged Ends, Dual H20	Chrome-Moly	Chain Brakes	KMC CN-UG50 Shimano Altus C10 BR-CT10 BL-CT10	KMC Unglide 50 Shimano 200GS 3 Finger Lever
Front Fork	Chrome-Moly Steer, Chrome-Moly Blades, Forged Ends	Chrome-Moly Steer Chrome-Moly Unicrown Blades, Forged Ends	Pedals	Victor VP893	Wellgo Resin
Head Set	Black Sealed Mech.	YST	Hubs	(F) Shimano HB-RM50Q (R) Shimano FH-HG20Q	Shimano 200GS
B. B. Set	Shimano BB-CS11		Rims	Araya New VP-20	Araya VP-20
Crank Set	Shimano Altus C10 FC-CT10 48 x 38 x 28T	Shimano 202GS 48 x 38 x 28T	Spokes	14G Stainless	14G Stainless
F. Derailleurs	Shimano Altus A10 FD-AT11 Top-Pul	Shimano 200GS	Tires	Kenda K-817 26 x 2.1	Kenda K-822 26 x 1.95
R. Derailleurs	Shimano Altus A20 RD-AT20SGS		Saddle	VL-186EMGE w/ Gel Lite	Velo Gel Lite
Shifter	Shimano Altus C10 ST-CT15 Rapidfire Plus		Seat Pillar	Kalloy SP-200	
Cluster	Shimano CS-HG50 13/30T 7SP	Shimano 200S 13/30T 7SP	Handle Bar	Steel	Hsin Lung BLK
			Handle Stem	MTS-30900	Hsin Lung Tigged Hi-Tensil
			Bar End Sizes	Kraton BLK CB-3204 14.5, 16.5, 18.5, 20.5,	14, 16, 18, 19.5, 21.5, L16, L18
			Colors	W-83, B-230	R-192, K-24

Elevation 300

- Chrome-Moly Frame • Oversized Tubing
- Full Chrome-Moly Unicrown Fork
- Shimano Altus A10/A20 Drivetrain and Derailleurs with Rapidfire Plus Shifters and Gear Indicator, 7-Speed
- Shimano Altus C10 Cantilever Brakes
- Colors: Shining White, Blueberry Swirl

ELEVATION 300

Elevation 200

- Chrome-Moly Main Frame • Oversized Tubing • Chrome-Moly Unicrown Fork
- Shimano 200GS Drivetrain and Derailleurs with Thumb Shifters, 7-Speed
- Shimano 200GS Cantilever Brakes
- Colors: Black Sparkle, Fire Red

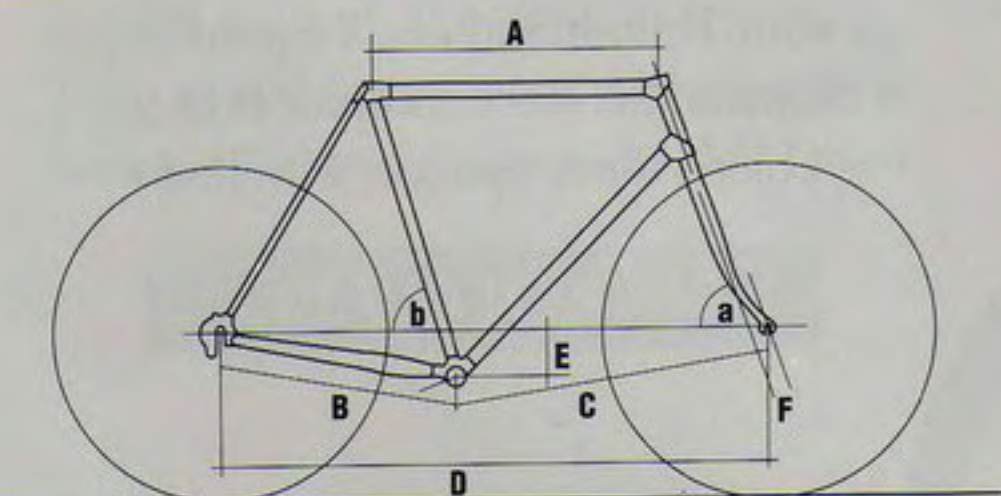
Cross Bikes

Meet the bikes of the future. As at home on city streets as they are on mountain trails. Combining the rugged construction, comfort and wide gearing of a multi-terrain cycle with the lighter frame, quicker geometry and smooth-tread tires of a racer. Miyata cross bikes—our most versatile performers.



Triplecross Specifications

Frame	Chrome-Moly Stays, Forged Ends, Dual H20, RR Rack Mounts
Front Fork	Chrome-Moly Steer, Chrome-Moly Blades, Forged Ends
Head Set	Black Sealed
B. B. Set	Shimano BB-CS11-68
Crank Set	Shimano Altus A10 FC-AT10X, 50 x 40 x 30T
F. Derailleurs	Shimano Altus A20 FD-AT20 Dual SIS
R. Derailleurs	Shimano Altus A10 RD-AT10SGS
Shifter	Shimano Altus A20 ST-AT20 Rapidfire Plus
Cluster	Shimano CS-HG50 13/30T 7SP
Chain	Shimano CN-HG50
Brakes	Shimano Altus A20 BR-AT20
Pedals	LU-995
Hubs	Shimano (F) HB-RM50Q, (R) FH-HG50Q
Rims	Araya PX-45
Spokes	14G Stainless
Tires	Avocet Cross 700 x 35C S/W F/V
Saddle	VL-194EMGE
Seat Pillar	Kalloy SP-243
Handle Bar	HL MTP-110PP
Handle Stem	HL Alloy
Tape/Grips	Kraton Rubber BLK CB-3204
Extras	Toe Clip MT-3L, Toe Strap W-4
Sizes	46, 50, 54, 56, 58, 60
Colors	R-194, W-83



Triplecross Frame Geometry (mm)

	A	B	C	D	E	F	a	b
	Top Tube	Rear Center	Front Center	Wheel Base	BB Drop	Off Set	Head Angle	Seat Angle
46cm	529	443	615	1052	55	65	71°	73°
50cm	547.5	443	623	1060	55	65	71°	73°
54cm	565	443	636	1073	55	65	71°	73°
56cm	575	443	632	1070	55	60	72°	73°
58cm	575	443	633	1070	55	60	72°	73°
60cm	584	443	642	1079	55	60	72°	73°

Triplecross

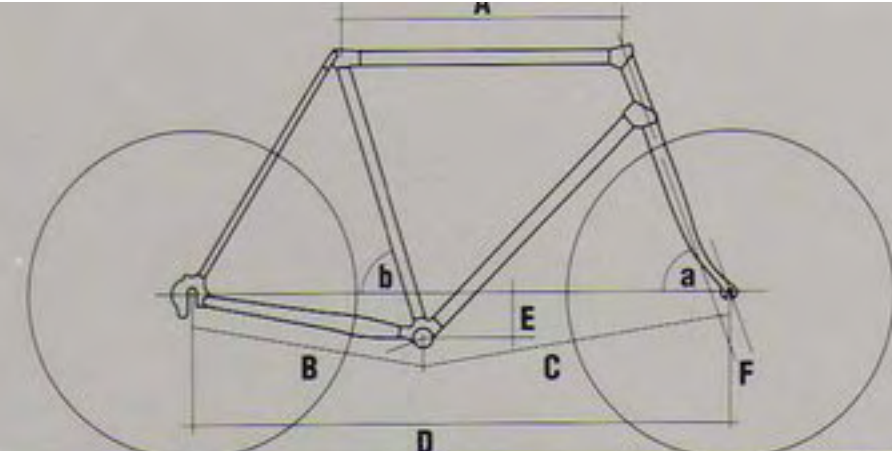
- STB Chrome-Moly Frame • Full Chrome-Moly Fork
- 700 x 35C Avocet Fasgrip Tires
- Shimano Altus A10/A20 Drivetrain and Derailleurs with Rapidfire Plus Shifters, 7-Speed
- Shimano Altus A20 Cantilever Brakes
- Colors: Hullabaloo Red, Shining White

TRIPLE ~~cross~~



Sportcross Specifications

Frame	Chrome Moly w/ STB D/T, Hi-Ten Stays, Forged Ends, Dual H20, RR Rack Mounts	Hubs	(F) Shimano HB-RM50Q (R) Shimano FH-HG20Q
Front Fork	Chrome-Moly Steer, Chrome-Moly Blades, Forged Ends	Rims	Araya PX-35
Head Set	YST #66-2KWE	Spokes	14G Stainless
B. B. Set	Shimano BB-CS11-68	Tires	Avocet Cross 700 x 35C
Crank Set	Shimano FC-AT10X 50 x 40 x 30T	Saddle	VL-194EMGE (Men) Miyata Pavéa (Ladies)
F. Derailleurs	Shimano Altus FD-CT10 Dual SIS	Seat Pillar	Kalloy Alloy Straight BLK
R. Derailleurs	Shimano Altus RD-CT10GS	Handle Bar	HL Steel
Shifter	Shimano ST-CT15	Handle Stem	MTS-319G-1 Hi-Ten
Cluster	Shimano CS-HG50 13/30T 7SP	Tape/Grips	Kraton Rubber BLK CB-3204
Chain	KMC KM-HG50	Sizes	46, 50, 54, 56, 58, 60 Ladies 46, 50
Brakes	Shimano Altus BR-CT12S	Colors	Y-125, G-159
Pedals	Wellgo LU-923		



Sportcross and Civicross Frame Geometry (mm)

	A Top Tube	B Rear Center	C Front Center	D Wheel Base	E BB Drop	F Off Set	a Head Angle	b Seat Angle
46cm	529	443	615	1052	55	65	71°	73°
50cm	547.5	443	623	1060	55	65	71°	73°
54cm	565	443	636	1073	55	65	71°	73°
56cm	575	443	632	1070	55	60	72°	73°
58cm	575	443	633	1070	55	60	72°	73°
60cm	584	443	642	1079	55	60	72°	73°
46cmL*		443	615	1052	55	65	71°	73°
50cmL*		443	623	1060	55	65	71°	73°

*Women's Model

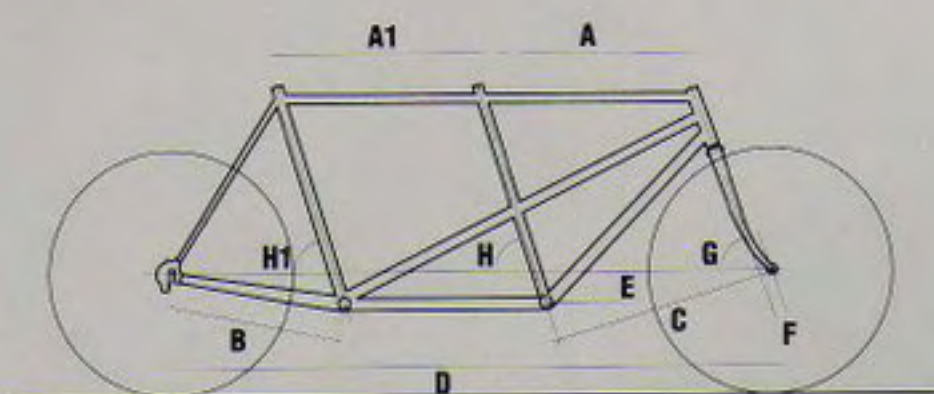
A Sportcross model for women, featuring a sloping top frame tube, is also available.



Sportcross

- STB Chrome-Moly Frame • Full Chrome-Moly Fork • 700 x 35C Avocet Fasgrip Tires
- Shimano Altus CT10 Drivetrain and Derailleurs with Rapidfire Plus Shifters and Gear Indicator, 7-Speed
- Shimano Altus CT12 Cantilever Brakes
- Colors: Vintage Burgundy, Honeydew Green





Duplicross Frame Geometry (mm)

	A	A1	B	C	D	E	F	G	H	H1
	Top Tube	Top Tube	Rear Center	Front Center	Wheel Base	BB Drop	Off Set	Head Angle	Seat Angle	Seat Angle
16"-18"	570	647	435	650	1742	32	45	72°	74°	74°
18"-20"	605	675	435	655	1776	34	45	72°	73°	74°

Specifications	Civicross	Duplicross		Civicross	Duplicross
Frame	Single Chrome-Moly, Hi-Ten Stays, Forged Ends, Dual H20, RR Rack Mounts	Chrome-Moly, Dropouts Forged Ends	Brakes	Shimano Altus BR-CT20 BL-CT2	Shimano Deore LX
Front Fork	Hi-Ten Steer, Hi-Ten Blades, Semi-Forged Ends	Chrome-Moly Steer, Investment Cast Ends	Pedals	Wellgo LU-895	
Head Set	YST #66-2KW Steel	YST #66-2KW	Hubs	(F) JY-QR (R) JY-QR	Shimano Deore LX
B. B. Set	YST #651 K Type		Rims	Araya PX-35	Araya RM-17 36H
Crank Set	Shimano Altus C20 FC-CT20 48 x 38 x 28T	Shimano Deore LX 48 x 38 x 28T	Spokes	14G Stainless	14G Stainless
F. Derailleurs	Shimano Altus C20 FD-CT20 Dual SI	Shimano Deore LX	Tires	Kenda K-803 700 x 35C	Kenda K-809 26 x 1.5
R. Derailleurs	Shimano RD-CT20GS		Saddle	VL-180EMGE (Men) Miyata Pavéa (Ladies)	Vetta Shock
Shifter Cluster	Grip Shift SRT-200 Shimano MF-HG20 14/28T 6SP	Shimano Deore LX STI Shimano Deore LX 7SP	Seat Pillar	Steel BLK w/ Cap	Kalloy Chrome-Moly
Chain	KMC CN-UG50	Shimano Hyperglide 70	Handle Bar	DHM-14 Steel 30mm Rise	Hsin Lung Alloy
			Handle Stem	MTS-319-1 Hi-Ten	Hsin Lung Tigged Chrome-Moly
			Tape/Grips	Grip Shifter MR-823 46, 50, 54, 56, 58, 60	Ritchey 20 x 18, 18 x 16
			Sizes	Ladies 46, 50	
			Colors	B-226, M-26	R-213



Civicross

- Chrome-Moly Frame • Shimano Altus C20 Drivetrain and Derailleurs with Grip Shifters, 6-Speed • Shimano Altus BR-CT20 Cantilever Brakes
- Colors: Muddy Waters Blue, Fragrant Purple



A Civicross model for women, featuring a sloping top frame tube, is also available.



Duplicross

- Full Chrome-Moly Oversized Frame
- Full Chrome-Moly Unicrown Fork
- Shimano Deore LX Drivetrain and Derailleurs with Rapidfire Shifters, 7-Speed
- Scott Piderson SE Brakes with Odyssey Broke Booster Plate • Adjustable Stoker Stem
- Color: Zinfandel

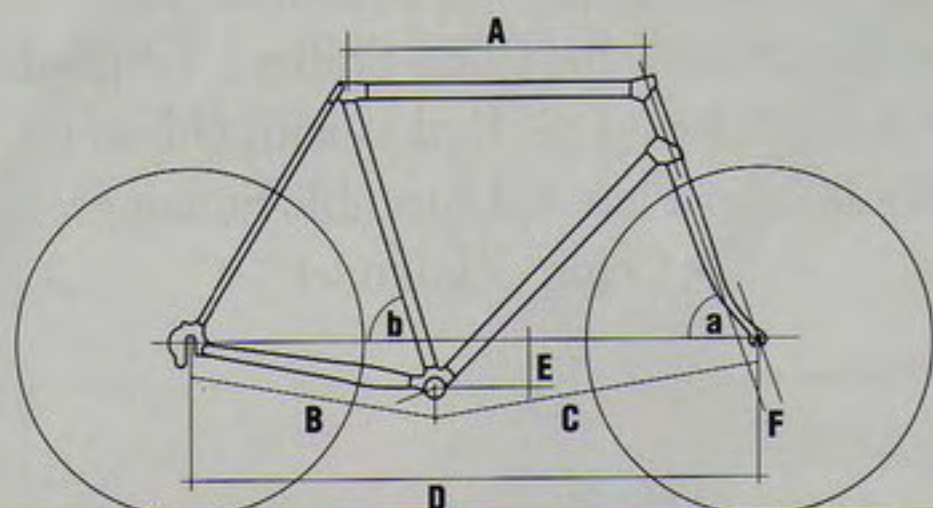
Road Bikes

Almost fifteen years ago, Miyata was the first Japanese bike to be used in a major international road race. And this tradition continues today with the Tulip Koga-Miyata team—one of Europe's hottest competitors. But, at Miyata, we're not content to rest on our laurels. Our engineers are constantly searching for new ways to maximize performance.



Team Carbon Specifications

Frame	APA Bonded Carbon, Aluminum Stays, Aluminum Forged Ends
Front Fork	APA Bonded Aluminum, Chrome-Moly Steer, Aluminum Blades, Forged Aluminum Ends
Head Set	Shimano 105SC HP-1055
B. B. Set	Shimano BB-UN71
Crank Set	Shimano 105SC FC-1055SG
F. Derailleurs	Shimano 105SC FD1056F
R. Derailleurs	Shimano 105SC RD1056
Shifter	Shimano 105SC ST-1055
Cluster	Shimano CS-HG70 8SP
Chain	Shimano CN-HG70
Brakes	Shimano 105SC BR-1055 w/ STI Lever
Pedals	Shimano 105SC PD-1055 Clipless
Hubs	Shimano 105SC (F) HB1055F, (R) FH1056HG
Rims	Araya RS430 32H
Spokes	14G Stainless
Tires	Panaracer Vivezza 700 x 24C
Saddle	Miyata Road
Seat Pillar	Kalloy SP248 25.8
Handle Bar	Kusuki Alloy-Drop
Handle Stem	HL HE-CR58 Chrome-Moly
Tape/Grips	CO-Union Foam Tape
Sizes	48, 50, 52, 54, 56, 58, 60, 63
Colors	W-83



Team Carbon Frame Geometry (mm)

	A Top Tube	B Rear Center	C Front Center	D Wheel Base	E BB Drop	F Off Set	a Head Angle	b Seat Angle
48cm	520	404	580	980	63	55	71°30'	73°20'
50cm	525	404	590	990	70	55	71°	74°
52cm	535	404	585	985	70	45	72°	74°
54cm	550	404	585	985	67	45	72°	73°
56cm	565	404	585	985	67	35	73°	73°
58cm	570	404	590	985	67	35	73°	73°
60cm	585	404	595	1000	67	35	73°	72°
63cm	600	404	610	1016	65	35	73°	72°

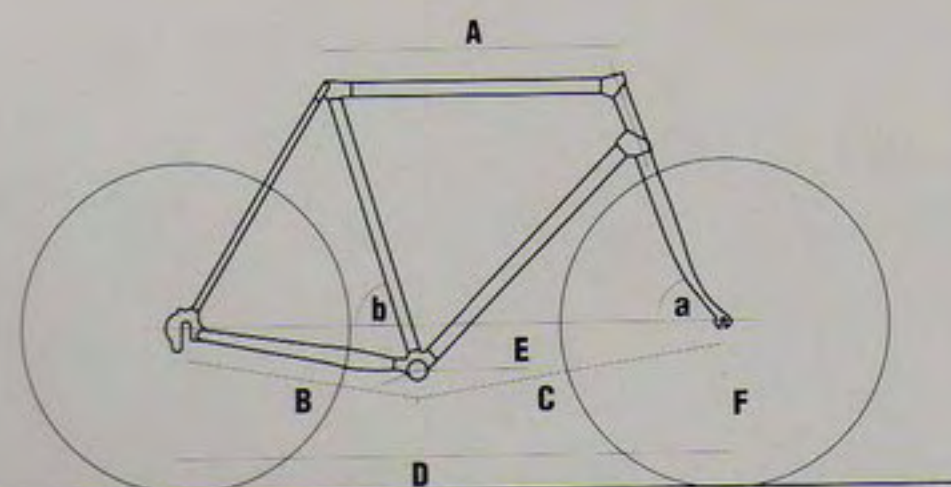
Team Carbon

- Carbon Fiber APA Bonded Frame
- Oversized Tubing • Aluminum APA Bonded Fork
- Miyata Design Racing Saddle
- Panaracer Vivezza Tires
- Shimano 105SC SIS Drivetrain and Derailleurs, 8-Speed
- Shimano 105SC Super SLR Dual Pivot Brakes with STI Dual Control Levers
- Shimano Clipless Pedals
- Color: Excited White



Team Titanium Specifications

Frame	APA Bonded Titanium, Titanium Stays, Aluminum Forged Ends	Pedals	Shimano PD-1056 Clipless
Front Fork	Chrome-Moly Steer, Aluminum Blades, Forged Aluminum Ends	Hubs	Shimano 105SC (F) HB1055F, (R) FH1056HG
Head Set	Shimano 105SC HP-1055	Rims	Araya CTL-385
B. B. Set	Shimano BB-UN71	Spokes	14/15G Stainless
Crank Set	Shimano 105SC FC-1055SG	Tires	Panaracer Vivezza 700 x 24C
F. Derailleurs	Shimano 105SC FD1056F	Saddle	Miyata Chrome-Moly Road
R. Derailleurs	Shimano 105SC RD1056	Seat Pillar	Kalloy SP248 25.8
Shifter	Shimano 105SC ST-1055 S2	Handle Bar	Nitto Neat Model 195
Cluster	Shimano CS-HG70 8SP	Handle Stem	HL HE-CR58 Chrome-Moly
Chain	Shimano CN-HG70	Tape/Grips	CO-Union Foam Tape
Brakes	Shimano 105SC BR-1055 w/ STI Lever	Sizes	48, 50, 52, 54, 56, 58, 60, 63
		Colors	C-3



Team Titanium Frame Geometry (mm)

	A Top Tube	B Rear Center	C Front Center	D Wheel Base	E BB Drop	F Off Set	a Head Angle	b Seat Angle
48cm	520	404	580	980	63	55	71°30'	73°20'
50cm	525	404	590	990	70	55	71°	74°
52cm	535	404	585	985	70	45	72°	74°
54cm	550	404	585	985	67	45	72°	73°
56cm	565	404	585	985	67	35	73°	73°
58cm	570	404	590	985	67	35	73°	73°
60cm	585	404	595	1000	67	35	73°	72°
63cm	600	404	610	1016	65	35	73°	72°

The Team Titanium's new frame design features a compact mono seat stay for better thigh clearance and a sleeker look.



Team Titanium

- Full Titanium APA Bonded Frame
- Oversized Tubing • Aluminum APA Bonded Fork • Miyata Design Chrome-Moly Racing Saddle • Nitto Neat Model 195 Handle Bar
- Panaracer Vivezza Tires • Shimano 105SC SIS Drivetrain and Derailleurs, 8-Speed
- Shimano 105SC Super SLR Dual Pivot Brakes with STI Dual Control Levers
- Shimano Clipless Pedals • Color: Armor



Nitto Neat Model 195 Handle Bar



Member of Tulip Koga-Miyata—one of Europe's most successful road racing teams.



Team Miyata Frame Geometry (mm)

	A	B	C	D	E	F	a	b
	Top	Rear	Front	Wheel	BB	Off	Head	Seat
	Tube	Center	Center	Base	Drop	Set	Angle	Angle
50cm	525	404	588	982	67	45	70°30'	74°
52cm	535	404	588	982	70	45	71°30'	74°
54cm	550	404	603	996	70	45	71°30'	74°
56cm	565	404	590	984	70	35	72°30'	73°
58cm	570	404	594	989	67.5	35	72°30'	73°
60cm	585	404	596	990	67.5	35	73°	72°
63cm	600	404	610	1006	65	35	73°	72°

Team Miyata Specifications

Frame	Chrome-Moly STB, Chrome-Moly Stays, Chrome-Moly Forged Ends	Brakes	Shimano Ultegra BR-6403
Front Fork	APA Bonded Aluminum, Chrome-Moly Steer, Aluminum Blades, Forged Aluminum Ends	Pedals	Shimano PD-1056 Clipless
Head Set	Shimano Ultegra HP-6400	Hubs	Shimano Ultegra (F) HB6400F, (R) FH6402HG8
B. B. Set	Shimano BB-UN71	Rims	Araya CTL-385
Crank Set	Shimano Ultegra FC6400SG	Spokes	14/15G Stainless
F. Derailleurs	Shimano Ultegra FD6401BZ	Tires	Panaracer Vivezza 700 x 24C
R. Derailleurs	Shimano Ultegra RD6401	Saddle	Miyata Road Titanium
Shifter	Shimano Ultegra ST6400	Seat Pillar	Kalloy SP248 25.8
Cluster	Shimano CS-HG90 8SP	Handle Bar	Nitto Neat Model 195
Chain	Shimano CN-HG90	Handle Stem	Syncros Aluminum
		Tape/Grips	CO-Union Foam Tape
		Sizes	50, 52, 54, 56, 58, 60, 63
		Colors	B-114/W-83

Team Miyata



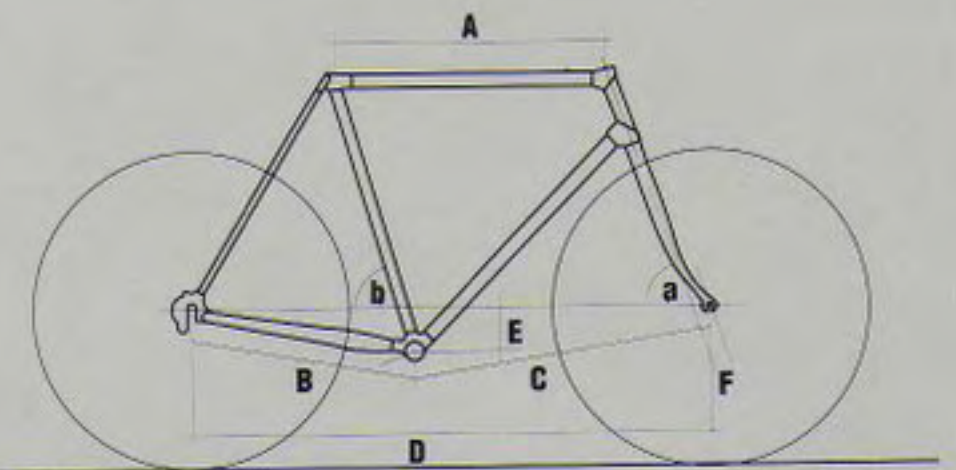
Nitto Neat Model 195 Handle Bar

- STB Chrome-Moly Frame • Oversized Top Tube • Aluminum APA Bonded Fork
- Miyata Design Titanium Racing Saddle
- Syncros Aluminum Handle Stem and Nitto Neat Model 195 Handle Bar • Panaracer Vivezza Tires • Shimano Ultegra SIS Drivetrain and Derailleurs, 8-Speed • Shimano Ultegra Super SLR Dual Pivot Brakes with STI Dual Control Levers • Shimano Clipless Pedals • Colors: Kool Blue/Excited White



Nine 16 Specifications

Frame	Chrome-Moly STB Chrome-Moly Forged Ends	Pedals	Shimano 105SC PD-1055 Clipless
Front Fork	APA Bonded Aluminum, Chrome-Moly Steer, Aluminum Blades, Forged Aluminum Ends	Hubs	Shimano 105SC (F) HB1055F, (R) FH1056HG
Head Set	Shimano 105SC HP-1055	Rims	Araya RS430 32H
B. B. Set	Shimano BB-UN71	Spokes	14G Stainless
Crank Set	Shimano 105SC FC-1055SG	Tires	Panaracer Vivezza 700 x 24C
F. Derailleurs	Shimano 105SC FD1056F	Saddle	Miyata Road
R. Derailleurs	Shimano 105SC RD1056	Seat Pillar	Kalloy SP248 26.8
Shifter	Shimano 105SC ST-1055	Handle Bar	Kusuki Alloy Drop
Cluster	Shimano CS-HG70 8SP	Handle Stem	HL HE-CR58 Chrome-Moly
Chain	Shimano CN-HG70	Tape/Grips	CO-Union Foam Tape
Brakes	Shimano 105SC BR-1055 w/ STI Lever	Sizes	50, 52, 54, 56, 58, 60, 63
		Colors	Y-120/W-83, B-228



Nine 16 Frame Geometry (mm)

	A Top Tube	B Rear Center	C Front Center	D Wheel Base	E BB Drop	F Off Set	a Head Angle	b Seat Angle
50cm	525	404	590	985	68	45	70°30'	74°
52cm	535	404	587	981	70	45	71°30'	74°
54cm	550	404	598	990	70	45	72°	74°
56cm	565	404	587	980	70	35	72°30'	73°
58cm	570	404	590	983	69	35	73°	73°
60cm	585	404	605	999	67.5	35	73°	73°
63cm	600	404	609	1004	65	35	73°	72°

Miyata's chrome-moly tubes are triple-buttressed and feature interior spiraled "splines" for minimum weight, maximum strength.



Nine 16

- STB Chrome-Moly Frame • Oversized Top Tube • Aluminum APA Bonded Fork
- Miyata Design Racing Saddle • Panaracer Vivezza Tires • Shimano 105SC SIS Drivetrain and Derailleurs, 8-Speed • Shimano 105SC Super SLR Dual Pivot Brakes with STI Dual Control Levers • Shimano Clipless Pedals
- Colors: Carrot/Excited White, Unbearably Blue



Unbearably Blue



Seven 21 Frame Geometry (mm)

	A Top Tube	B Rear Center	C Front Center	D Wheel Base	E BB Drop	F Off Set	a Head Angle	b Seat Angle
48cm	515	415	580	990	53	65	71°	72°
50cm	525	415	580	990	55	55	71°	72°
52cm	535	415	588	996	58	55	71°	72°
54cm	550	415	596	1003	63	50	72°	73°
56cm	550	415	596	1003	63	50	72°	73°
58cm	565	415	604	1010	66	45	72°30'	73°30'
60cm	565	415	604	1010	67	45	72°30'	73°30'

Five 12 Frame Geometry (mm)

	A Top Tube	B Rear Center	C Front Center	D Wheel Base	E BB Drop	F Off Set	a Head Angle	b Seat Angle
50cm	520	408	587	990	50	50	71°50'	74°
54cm	540	408	578	978	72	35	72°	74°
57cm	560	408	589	986	72	35	73°	74°
60cm	570	408	599	996	72	35	73°	74°
63cm	580	408	605	1002	72	35	73°50'	74°
67cm	596	408	620	1018	72	35	73°50'	74°

Specifications

	Seven 21	Five 12
Frame	APA Bonded Aluminum, Aluminum Stays, Aluminum Forged Ends	Chrome-Moly (TIG), Chrome-Moly (TIG) Stays, Forged Ends, Dual H20 Mounts
Front Fork	Chrome-Moly, Chrome-Moly Steer, Chrome-Moly Blades, Forged Ends	Chrome-Moly, Chrome-Moly Steer
Head Set	Shimano 500LX HP-R500	Black Sealed Mech.
B. B. Set	Shimano BB-UN51	Shimano BB-CS10
Crank Set	Shimano FCA550T 52 x 42 x 30	Sugino AC-130 52 x 42T
F. Derailleurs	Shimano Exage RX100 FDA553 GS	Shimano Exage 300EX
R. Derailleurs	Shimano Exage RX100 RDA550 GS	Shimano Exage 500EX
Shifter	Shimano Exage RX100 SL-A550T	Shimano Exage 400EX 7SP
Cluster	Shimano CS-HG50 7SP	Shimano 13/26 7SP

	Seven 21	Five 12
Chain	Shimano CN-HG50	KMC KM-HG50
Brakes	Shimano RX100 w/ BL-A500 Lever	Shimano Exage 300EX BL-A251
Pedals	Radius MKS	Victor VP-393
Hubs	Shimano (F) HB-RM50 (R) FH-HG50	Shimano (F) HB-RM50Q (R) FH-HG20Q
Rims	Araya SS45 32H	Araya SP-30 36H
Spokes	14G Stainless	14G Stainless
Tires	Panaracer Vivezza 700 x 24C	Cheng Shin CSTC-736 700 x 25
Saddle	Miyata G.H. Vinyl	Velo VL-178EMGE
Seat Pillar	SR CTE-101 25.8	Kalloy SP-243
Handle Bar	SR Signature 430	H.L. AL-9B Alloy
Handle Stem	SR CTS 120	Live Chin LCH-760
Tape/Grips	CO-Union Foam Tape	BLK Cushion Tape
Extras	Toe Clip & Strap	Toe Clip & Strap
Sizes	48, 50, 52, 54, 56, 58, 60	50, 54, 57, 60, 63, 67
Colors	M-30, G-154	R-192/W-83



Seven 21

- Full Aluminum APA Bonded Frame
- Oversized Tubing • Miyata Design Racing Saddle • Panaracer Vivezza Tires
- Shimano Exage RX100 Drivetrain and Derailleurs, 7-Speed • Shimano RX100 Dual Pivot Brakes • Colors: Eggplant, Godzilla Green

SEVEN 21



Five 12

- Full Chrome-Moly Frame • Full Chrome-Moly Fork • Shimano Exage 500EX Drivetrain and Derailleurs, 7-Speed • Shimano Exage 300EX Dual Pivot Brakes
- Colors: Radiant Red/Excited White

Specifications	Pavéa 77	Pavéa 55		Pavéa 77	Pavéa 55
Frame	Chrome-Moly (TIG),	Chrome-Moly (TIG),	Chain Brakes	Shimano CN-HG70	KMC KM-HG50
	Chrome-Moly (TIG)	Chrome-Moly (TIG)		Shimano 105 w/	Shimano RX100 w/
	Stays, Forged Ends,	Stays, Forged Ends,		Diacompe Compact	Diacompe Compact
Front Fork	Dual H20 Mounts	Dual H20 Mounts		Short Reach Lever	Short Reach Lever
	Chrome-Moly,	Chrome-Moly,	Pedals	Shimano 105 Clipless	Shimano 500EX Clipless
	Chrome-Moly Steer	Chrome-Moly Steer		PD-1056	
Head Set	Shimano 105 HP-1055	Shimano 500EX HP-R500B		Hubs	(F) Shimano 105
B. B. Set Crank Set	Shimano BB-UN71	Shimano BB-CS10		(R) Shimano 105	(R) FH-HG50Q
	Shimano 105	SR SZC-T2044HF	Rims	Sun Metal M13L 32H	Sun Metal M13L 32H
	53 x 42 Round	52 x 42 x 32 Round	Spokes	14G Stainless	14G Stainless
F. Derailleurs	Shimano 105	Shimano Exage RX100	Tires	Panaracer 26 x 1	Panaracer 26 x 1
		FD-A553GS		Vivezza	Vivezza
	R. Derailleurs	Shimano 105	Shimano Exage RX100	Saddle	Miyata Pavéa
Shifter		RDA-0550TGS		VL-1251LGE	VL-1251LGE
	Shimano105 8SP DT	Shimano Exage RX100	Seat Pillar	Kalloy SP-266	Kalloy SP-243
		A550T 7SP	Handle Bar	DR-AL-9B Alloy 370mm	DR-AL-9B Alloy 370mm
Cluster	Shimano CS-HG70	Shimano CS-HG50	Handle Stem	Zoom Racing	Live Chin LCS-760
	12/23 8SP	13/23 7SP	Tape/Grips	BLK Cusion Tape	BLK Cusion Tape
			Sizes	44, 47, 50, 53	44, 47, 50, 53
			Colors	G-115	M-28, K-1



The unique Pavéa racing saddle is specially designed to fit a woman's anatomy.

Pavéa 77 and 55 Frame Geometry (mm)

	A Top Tube	B Rear Center	C Front Center	D Wheel Base	E BB Drop	F Off Set	a Head Angle	b Seat Angle
44cm	462	377	553	924	55	45	70°42'	77°30'
47cm	483	377	554	924	55	45	71°42'	76°30'
50cm	498	377	558	928	55	45	71°42'	75°
53cm	513	377	566	936	55	45	71°42'	74°

Pavéa 77

- Full Chrome-Moly Double Butted Frame
- Full Chrome-Moly Fork • Miyata Design Pavéa Racing Saddle • Panaracer 26 x 1 Tires
- Shimano 105 Drivetrain and Derailleurs, 8-Speed • Shimano 105 Dual Pivot Brakes with Diacompe Compact Short Reach Lever • Shimano Clipless Pedals
- Color: Seabreeze

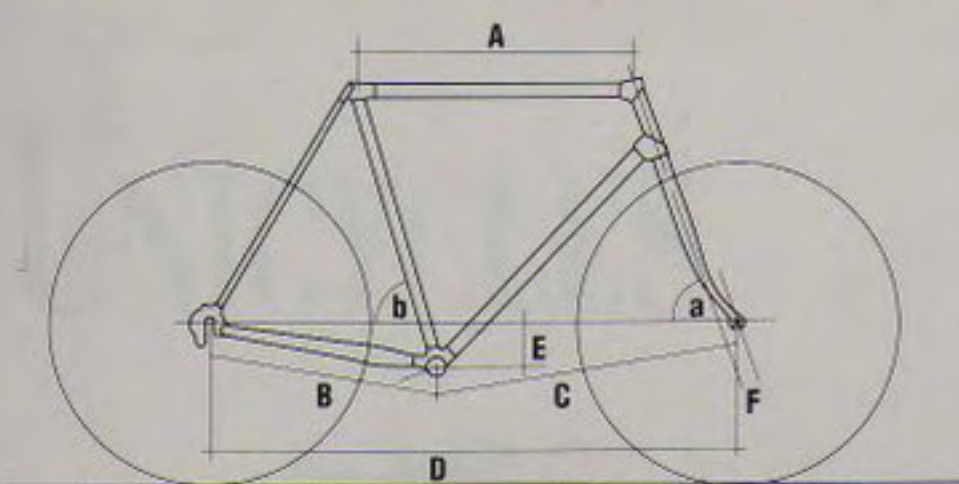


Pavéa 55

- Full Chrome-Moly Double Butted Frame
- Full Chrome-Moly Fork • Miyata Design Pavéa Racing Saddle • Panaracer 26 x 1 Tires
- Shimano Exage RX100 Drivetrain and Derailleurs, 7-Speed • Shimano Exage RX100 Dual Pivot Brakes with Diacompe Compact Short Reach Lever
- Colors: Precious Purple, Shadow Black

PAVÉA 55





1000 LT Frame Geometry (mm)

	A	B	C	D	E	F	a	b
	Top	Rear	Front	Wheel	BB	Off	Head	Seat
	Tube	Center	Center	Base	Drop	Set	Angle	Angle
50cm	540	450	604	1051	40	50	70°5'	72°5'
54cm	550	450	596	1039	60	50	71°5'	72°5'
57cm	565	450	605	1047	65	50	72°	72°5'
60cm	580	450	620	1062	65	50	72°	72°5'
63cm	580	450	620	1062	65	50	72°	72°5'

Fittings for accessory equipment.



1000 LT Specifications

Frame	Chrome-Moly STB Oversize, Chrome-Moly Stays, Chrome-Moly Ends	Brakes	Shimano BR-C700
Front Fork	Chrome-Moly Unicrown, Chrome-Moly Steer, Chrome-Moly Blades, Forged Ends	Pedals	Shimano Deore LX PD-M525 SPD
Head Set	Tange P-3000	Hubs	Shimano Deore DX (F) HBM650 36H, (R) FHM650 36H
B. B. Set	Shimano BB MT60	Rims	Ukai 36H WS500
Crank Set	Shimano Deore DX	Spokes	Hoshi 14G Stainless
F. Derailleurs	Shimano Deore DX FD-M650	Tires	Panaracer 700 x 32C Radial
R. Derailleurs	Shimano Deore DX RD-M650SGS	Saddle	Avocet M30
Shifter Cluster	Shimano 600 Ultegra SL-BS50	Seat Pillar	SR MTE 320
Chain	Shimano 105SC	Handle Bar	Nitto Randonneur
	CS-HG70 12/24 TSP	Handle Stem	SR CTS320 Hinge
	Shimano 105SC CN-HG70	Tape/Grips	CO-Union Foam Bar Tape w/ Bell
		Extras	
		Sizes	50, 54, 57, 60, 63
		Colors	B-226

1000 LT

- STB Chrome-Moly Frame • Oversized Tubing • Chrome-Moly Unicrown Fork
- Shimano Deore DX Drivetrain with Top Pull Front Derailleur and Bar End Shifters, 7-Speed • Shimano BR-C700 Low Profile Cantilever Brakes • Shimano Deore LX Pedals
- Color: Muddy Waters Blue



FRAMESETS



Elevation 12000 • Carbon Fiber APA Bonded Frame • Super Oversized Tubing • Miyata Rear Suspension • Front Suspension Fork



Elevation 10000 • Full Carbon Fiber APA Bonded Frame • Super Oversized Tubing • Front Suspension Fork



Elevation 8000 • Full Titanium APA Bonded Frame • Super Oversized Tubing • Aluminum APA Bonded Fat Max Fork



Elevation 5000 • Full Aluminum APA Bonded Frame • Super Oversized Tubing • Aluminum APA Bonded Fat Max Fork



Team Carbon • Carbon Fiber APA Bonded Frame • Oversized Tubing • Aluminum APA Bonded Fork



Team Titanium • Full Titanium APA Bonded Frame • Oversized Tubing • Aluminum APA Bonded Fork



Team Miyata • STB Chrome-Moly Frame • Oversized Top Tube • Aluminum APA Bonded Fork

UNICYCLES



Miyata Unicycles • Precision Balanced
• Chromed Steel Construction

GEAR CHARTS

Mountain Bikes

Elevation 10000

	12	13	14	16	18	21	24	28
46	99.7	92.0	85.4	74.8	66.4	57.0	49.8	42.7
36	78.0	72.0	66.9	58.5	52.0	44.5	39.0	33.4
26	58.3	52.0	48.3	42.3	37.6	32.2	28.2	24.1

Elevation 12000, 8000, 5000, 4000 and 2000

	12	14	16	18	21	24	28
46	98.7	85.4	74.8	66.4	57.0	49.8	42.7
36	78.0	66.5	56.5	52.0	44.8	39.0	33.4
26	56.3	48.3	42.3	37.6	32.2	28.2	24.1

Elevation 500 and 400

	13	15	17	20	23	26	30
46	92.0	79.7	70.4	59.8	52.0	46.0	39.9
36	72.0	62.4	55.1	46.8	40.7	36.0	31.2
26	52.0	45.1	39.8	33.8	29.4	26.0	22.5

Elevation 300

	13	15	17	20	23	26	30
48	96.0	83.2	73.4	62.4	54.3	48.0	41.6
38	76.0	65.9	58.1	49.4	43.0	38.0	32.9
28	56.0	48.5	42.8	36.4	31.7	28.0	24.3

Elevation 200

	13	15	17	20	23	26	30
48	96.0	83.0	73.0	62.0	54.0	48.0	42.0
38	76.0	66.0	58.0	49.0	43.0	38.0	33.0
28	56.0	49.0	43.0	36.0	32.0	28.0	24.0

Cross Bikes

Triplecross

	13	15	17	20	23	26	30
50	103.8	90.0	79.4	67.5	58.7	51.9	45.0
40	83.1	72.0	63.5	54.0	47.0	41.5	36.0
30	62.3	54.0	47.6	40.5	35.2	31.2	27.0

Sportcross

	13	14	15	17	19	21	23
50	103.8	96.4	90.0	79.4	71.1	64.3	58.7
40	83.1	77.1	72.0	63.5	56.8	51.4	47.0
30	62.3	57.9	54.0	47.6	42.6	38.6	35.2

Civicross

	14	16	18	21	24	28
48	92.6	81.0	72.0	61.7	54.0	46.3
38	73.3	64.1	57.0	48.9	42.8	36.6
28	54.0	47.3	42.0	36.0	31.5	27.0

Duplicross

	12	14	16	18	21	24	28
48	104.0	89.1	78.0	69.3	59.4	52.0	44.6
38	82.3	70.6	61.8	54.9	47.0	41.2	35.3
28	60.7	52.0	45.5	40.4	34.7	30.3	26.0

Road Bikes

Team Carbon, Team Titanium, Team Miyata and Nine 16

	12	13	14	15	17	18	21	23
53	119.3	110.1	102.2	95.4	84.2	75.3	68.1	62.2
42	94.5	87.2	81.0	75.6	66.7	59.7	54.0	49.3

Seven 21

	12	14	16	18	21	24	28
52	117.0	100.3	87.8	78.0	66.8	58.5	50.1
42	94.5	81.0	70.9	63.0	54.0	47.3	40.5
30	67.5	57.9	50.6	45.0	38.6	33.8	28.9

Five 12

	13	15	17	19	21	23	26
52	108.0	93.6	82.6	73.9	66.9	61.0	54.0
42	87.2	75.6	66.7	59.7	54.0	49.3	43.6

Pavéa 77

	12	13	14	15	17	19	21	23
53	114.8	106.0	98.4	91.9	81.1	72.5	65.8	59.9
42	91.0	84.0	78.0	72.8	64.2	57.5	52.0	47.5

Pavéa 55

	13	14	15	17	19	21	23
52	104.0	96.6	90.1	79.5	71.2	64.4	58.8
42	84.0	78.0	72.8	64.2	57.5	52.0	47.5
32	64.0	59.4	55.5	48.9	43.8	39.6	36.2

Touring Bikes

1000 LT

	12	14	16	18	21	24	28
48	108.0	92.6	81.0	72.0	61.7	54.0	46.3
38	85.5	73.3	64.1	57.0	48.9	42.8	36.6
28	63.0	54.0	47.3	42.0	36.0	31.5	27.0

The Miyata Bicycle Warranty

A. Miyata bicycle frames and front forks are warranted to be free from defect in materials and workmanship under normal use of the bicycle for the lifetime of the bicycle, except in cases specified in warranty exclusions. **B.** Miyata warranties, for one year from date of sale, all parts except wearing parts (tires, tubes, cables, grips, spokes, bar tapes, brake pads, toe clips, straps, small screws and nuts). This does not include items specified in the warranty exclusions. **C.** During the warranty period, all parts, as determined by Miyata, found to be defective in workmanship or material will be repaired or replaced free of charge, except for shipping and dealer for charges (if applicable). This applies to parts, frame and front fork. **D.** Return of the warranty registration card to Miyata is a condition precedent to coverage under this warranty. The warranty registration card must be returned to Miyata to validate warranty.

How To Claim Warranty

A. All claims made under this warranty must be made through an authorized Miyata dealer during the relevant warranty period. To obtain warranty service, the owner must return the defective bicycle to an authorized Miyata dealer for inspection with the sales receipt (or other evidence showing the date of purchase) and the owner record in the owner's handbook. **B.** If the original dealer is no longer available or is inconveniently located, the name of the authorized dealer nearest to you can be obtained from Miyata whose address is stated in this catalog.

Warranty Exclusions

A. This warranty covers only the original retail purchaser of the bicycle and is not transferable. **B.** This warranty does not cover failure due to accident, abuse, misuse, neglect, normal wear and tear, normal paint fading or chrome rust, improper assembly, improper fit, improper maintenance or use of unauthorized replacement parts. **C.** This warranty does not cover any personal injuries, damage or failure of bicycle if used in any competitive event, including bicycle racing, bicycle motocross, stunt or similar activities or when used in training for the same. Motors or other accessories inconsistent with the use intended by Miyata will negate this warranty. **D.** This warranty is expressly in lieu of any other warranty and any implied warranty of merchantability or fitness of any purpose is limited in duration to the duration of this express warranty. Miyata shall not be responsible for any consequential or incidental damages. **E.** Some states do not allow limitation on how long implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. **F.** This warranty does give you specific legal rights, and you also may have other rights which vary from state to state. **G.** This warranty does not cover failure due to unlawful acts. **H.** Failure to maintain Miyata-requested periodic inspections may invalidate this warranty if such failure can be shown to have contributed to the warranty problem. **I.** This warranty is void when the bicycle is used by many and unspecific persons such as rent-a-bicycle businesses. **J.** This warranty does not cover failure due to earthquake, lightning, fire, flood, public hazard, and man-made or natural calamity. **K.** This warranty does not cover natural phenomena which result from operation of the bicycle, such as vibrations or sounds. **L.** This warranty is void when items outlined in the "owner's responsibilities" section are not observed.

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