



1985

**THE RIGHT
FRAME OF
REFERENCE**

MIYATA

THE RIGHT FRAME OF REFERENCE

THE RIGHT APPROACH

The first mistake you can make when buying a bicycle, is buying a bicycle. Quite understandably. You have an end-use in mind so it seems reasonable to inspect an end product. And yet, the collage of components you see has little to do with what you get. The right frame of reference is looking for the right frame.

THE RIGHT DESIGN

It begins with geometry: the relationships between the major tubes that comprise the frame. Tube lengths and the angle at which they intersect determine how well suited the frame is for a specific task. For example: a racing frame's seat and head tubes are more vertical than other frames. The top tube is shorter, and so is the overall wheelbase. This acute geometry pitches the cyclist forward into an aerodynamically superior posture that quickly transfers all the power to the rear wheels. The short wheelbase makes the bicycle very maneuverable at high speeds—almost skitish to the untrained. It's a stiff, compact frame able to withstand the twisting stress of rapid acceleration.

By contrast, touring frame geometry is more relaxed. Shallower tube angles put the cyclist in a position to spend long hours in the saddle. The long wheelbase provides stability under heavy loads of touring gear while absorbing the shocking conditions of most of our roads.

Intelligent frame geometry is not proprietary with Miyata. But then, that's not all there is to frame making. And while others, too, bring their tubes together at the proper angle, that is where we abruptly part their company.

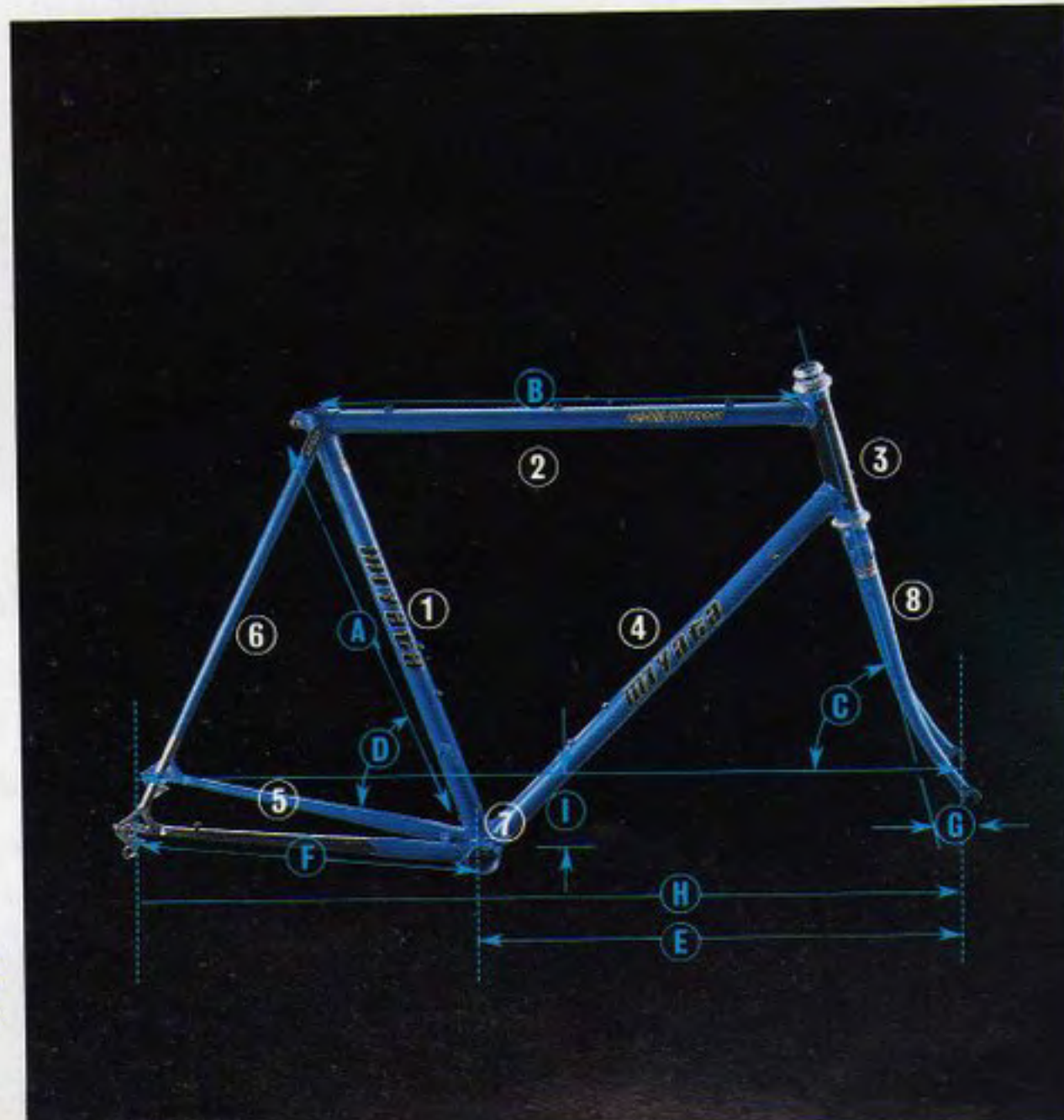
Frame Geometry

- A. Seat Tube Length
- B. Top Tube Length
- C. Head Tube Angle
- D. Seat Tube Angle
- E. Front Center Length
- F. Chain Stay Length
- G. Fork Offset (Rake)
- H. Wheelbase
- I. Drop

Frame Anatomy

- 1. Seat Tube
- 2. Top Tube
- 3. Head Tube
- 4. Down Tube
- 5. Chain Stays
- 6. Seat Stays
- 7. Bottom Bracket
- 8. Fork

Complete angles and dimensions for most frames are shown on page 15.



THE RIGHT STUFF

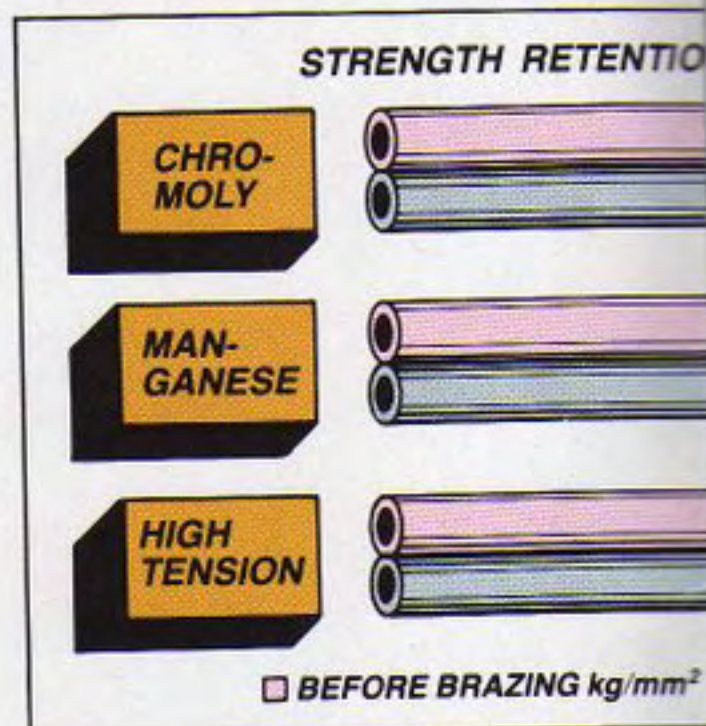
Metallurgy is not alchemy but if Miyata technicians have failed to create gold from base metals, they have succeeded with something nearly as valuable. Chrome molybdenum alloyed steel. It is milled into exceedingly lightweight, amazingly strong tubing. Miyata tubing. We call it Cr-Mo. We are the only bicycle manufacturer that processes its own tubing, and, as such, we do not have to settle for merely double butted tubes. We have advanced to triple, even quadruple, butting.

Butting simply means making the tubes thicker on the ends—where they butt together—than they are in the middle. It makes the tube stronger where the frame is potentially weaker. However, not every joint receives the same stress, so every joint doesn't have to be as thick as the joint receiving the most stress. Not only would that add unwanted weight, but some joints are actually stronger if they remain a little springy. (The springiness also lets the frame absorb shocks that would otherwise transfer to the cyclist. So, a new inequality emerges from our tubing mill that allows each joint, each tube wall to be only as thick as frame dynamics dictate.

What is the benefit of all this fussiness? Dealers around the world claim fewer frame-related problems with Miyata than any other bicycle.

THE RIGHT INVESTMENT

Assembly is perhaps the most critical phase in the creation of a bicycle frame. And it's at this critical stage that strong opinions are advanced as to the right way to do things. The amount of controversy is prob-



Miyata's tubing mill. Without it we would have to settle for double butted tubing.

ably due to the large number of producers involved in this step. (Not everybody is up to making tubes, but quite a few try to slap them together.)

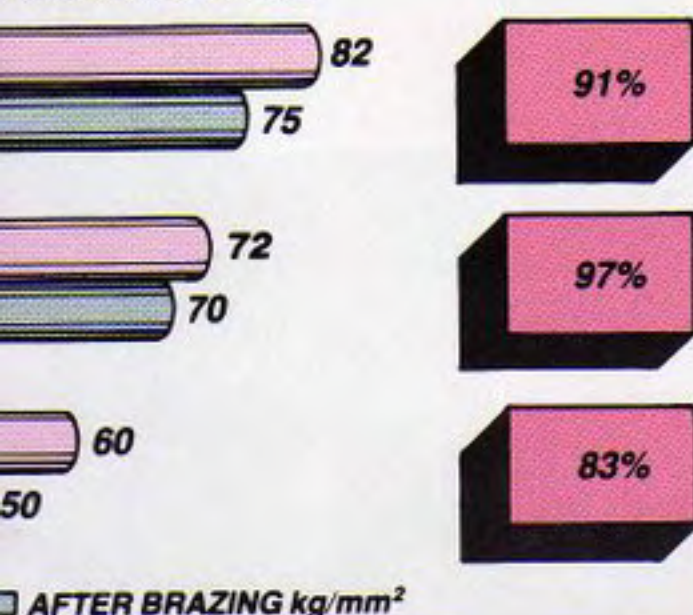
Miyata makes no claim to being competitive with custom frame builders. The custom builder can give you a skillfully crafted frame built to your exact anatomical requirements. But if they "average" their geometry to fit more than one individual, or attempt to assemble large number of frames, a kind of "limited production," they are no longer custom frame builders and cannot truthfully compete with Miyata.

Our assembly begins with investment-cast lugs, to give joints the tightest possible fit prior to brazing. Why? Because brazing machines cannot

fill gaps with the skill possessed of a master frame brazier — they need gaps to fudge the frame's angles for a particular rider. We have no use for gaps. Our geometry is predetermined. Our tubing is precisely mitred. So, as machines align and braze our frames,

	T1	T2	T3	
	THICKNESS			WEIGHT (23" FRAME)
	T1	T2	T3	
Cr-Mo	0.9	0.6	0.7	875g
Manganese	1.0	0.7	0.8	902g
Hi-Tn	1.2	0.9	1.0	1,068g

DURING BRAZING



better joints result from the precision that comes only from investment casting methods.

Wherever possible we use computers and robots to eliminate human error. Brazing is too delicate a process to be vulnerable to an off-day by an assembly-line frame brazier. If he loses his concentration for a moment or two, the tubes will be overheated by a degree or two. The result is crystallized metal. A joint destined to fail. That can't happen at Miyata. It probably won't happen with a skilled frame builder making one frame at a time. It does happen all too often with production frame makers who perpetuate the hand-crafted myth in lieu of a serious investment in advanced (and superior) methods of manufacturing.

THE RIGHT KNOW-HOW

Good ol' Japanese ingenuity. Even the Germans have finally admitted the Japanese are better at making automobiles than they are. No wonder the hottest selling cars in Europe are made in Japan. And the hottest selling bicycles in Europe



are made by Miyata. Of course Miyata had a leg up on the car makers. We've been making frames for nearly a hundred years. The first

eighty or so we did it by hand, just like everybody else. Until technology gave us a better alternative.

THE RIGHT FINISH

After construction, the frame undergoes a seven-step process to hide all our good works. We polish each frame and treat it with zinc phosphate to improve paint adhesion and to eliminate rusting. The frame is then painted, using the latest electrostatic techniques. Each frame is layered with undercoat primers and finishing lacquers. Then we bake it. And bake it. The penultimate touch is the signature of the master—Miyata. Finally, we coat everything with rock-hard, crystal-clear acrylic. Adding an even deeper luster to the finish, and ensuring that the Miyata decals are still there when you want the world to witness the intelligence of your choice.

Is it a bicycle yet? Not until we complete the job with (despite our original cautions) what you'll probably look at first: the component group.

THE RIGHT CONCLUSION

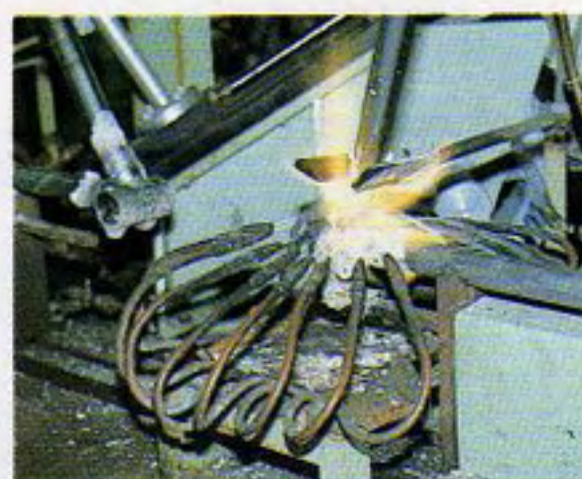
The frame has reached its majority. And now a carefully balanced set of components is selected to help the frame fulfill its destiny. Shimano. Dia-Compe. SunTour. Names to be trusted. Products proven for superior reliability and performance.

Products that are available on other bicycles, to be sure. But the extent to which they're permitted to perform their various tasks satisfactorily depends on what they're attached to. If you've read this far, you can only conclude that if they're attached to a Miyata frame their proper function is assured.

And that's the right frame of reference.



The finishing touch. See how beautifully we cover our butts.



Our computerized frame brazier is immune to late-nights and morning afters.

THE RIGHT FOOTPRINT

If the cyclist ultimately seeks a metaphysical link between man and machine, then certainly the next most important contact point is between the bicycle and the ground. Tires. We were not quick to entrust this job to suppliers, so Miyata developed a full line of superior tires with ride characteristics worthy of our frames. Puncture resistant. Nylon belted. Kevlar belted. Knobbies that grab hold of solid rock. Tires with tread designs that reduce rolling resistance while providing all the cornering and stopping control you seek.

If not the ultimate link, Miyata tires instill the ultimate confidence.



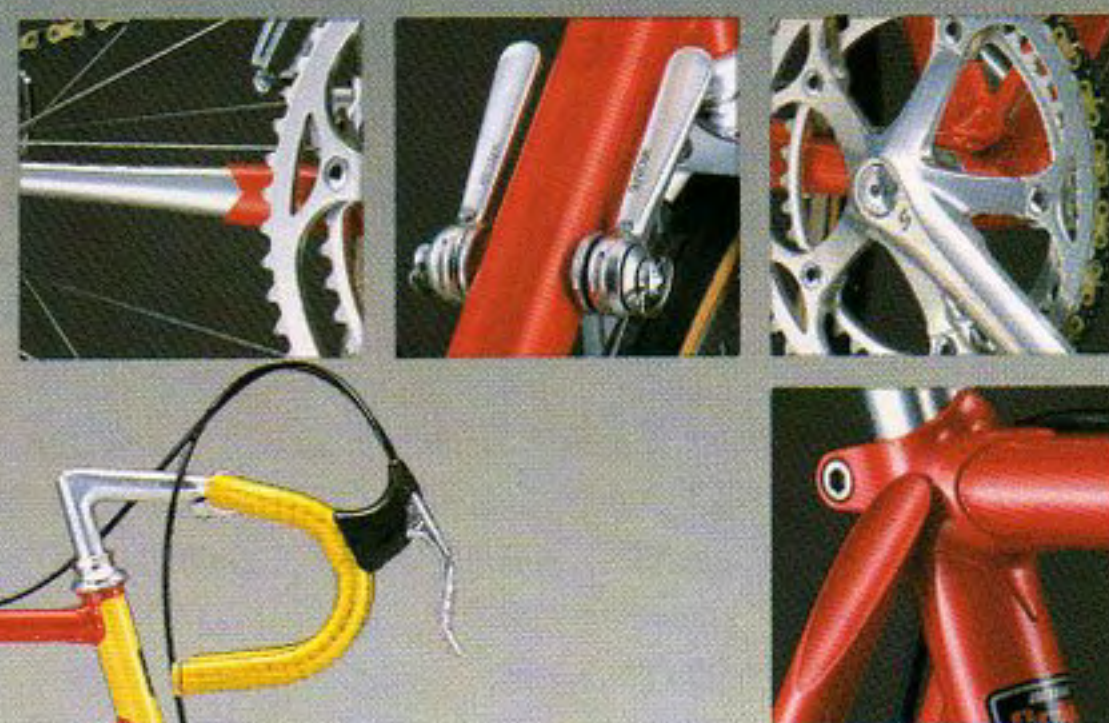
TEAM MIYATA

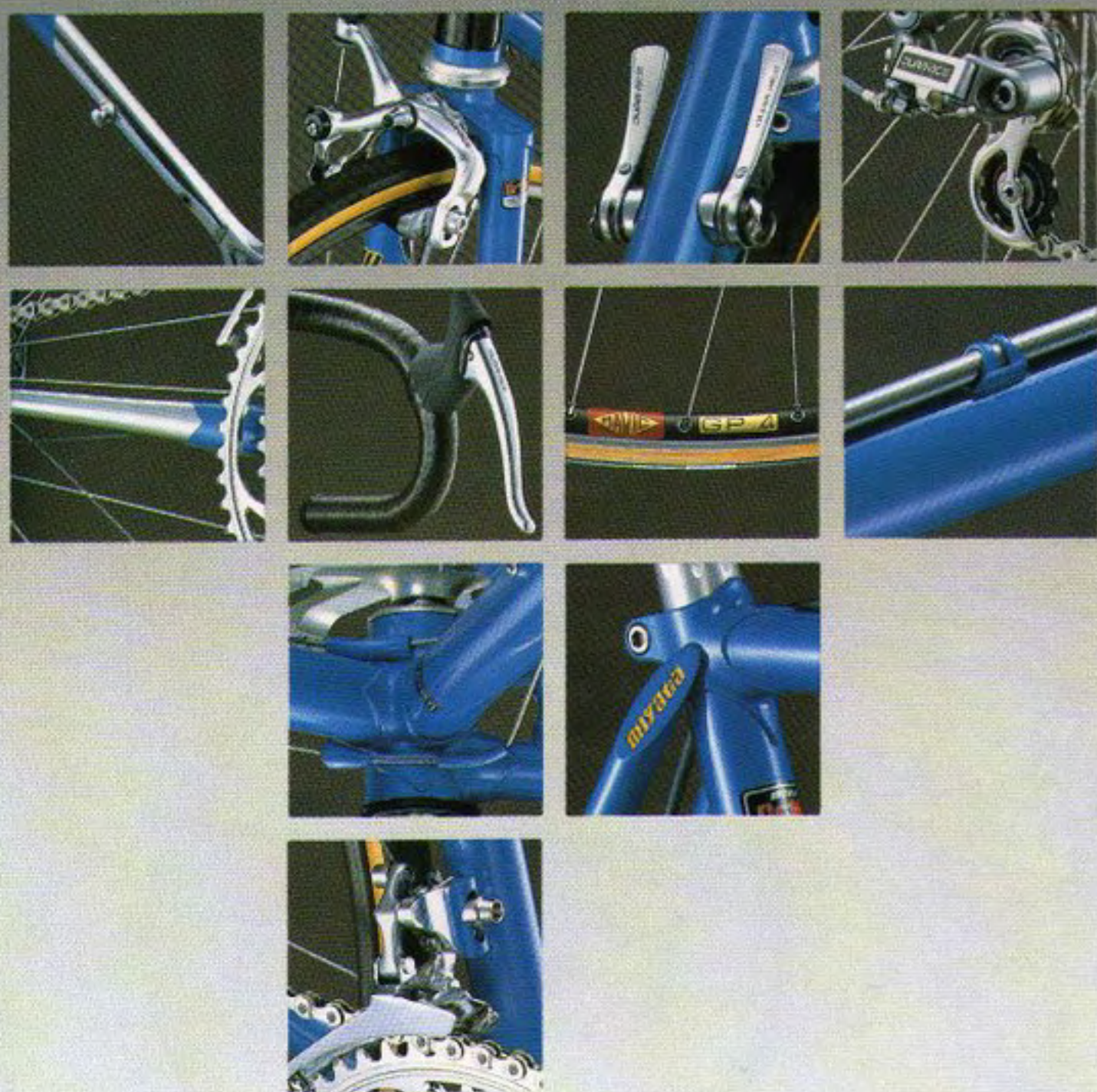
Nowhere is the Miyata state-of-the-art technology more apparent than in the Team Miyata. Chromoly triple-butt tubes, investment cast lugs, Chromoly front fork with Shimano UF ends. If you're serious about bicycle racing competition, you should seriously consider this model. Brazed-ons include bottle basements on down tube and seat tube. **Color:** Bright Blue with black head tube. **Frame Sizes:** 50, 52, 54, 56, 58, 60, 63 cm. **Speeds:** 12
Water bottle 1pc. optional



PRO MIYATA

A true competition bicycle specially designed to meet the needs of triathlon enthusiasts. The world-famous Miyata Chromoly frames are engineered to provide the rider with trouble-free performance... an important consideration for the competitive athlete. Kevlar belted tires and two sets of bottle basements are but a few of the Pro Miyata features. **Color:** Pepper Red. **Frame Sizes:** 50, 54, 57, 60, 63 cm. **Speeds:** 12
Water bottle 1pc. optional





BECAUSE WIN- NING IS THE ONLY THING MIYATA'S PRO RACING SERIES



TEAM MIYATA PISTA

A track bicycle built in the Miyata tradition. Chromoly double-butt frame, front fork with forged ends and Shimano Dura Ace components and Vittoria Pista-CS tires. And the Team Miyata Pista weighs in at a scant 20½ lbs! **Color:** Bright Blue with Gold head tube. **Frame Sizes:** 50, 54, 57, 60, 63 cm



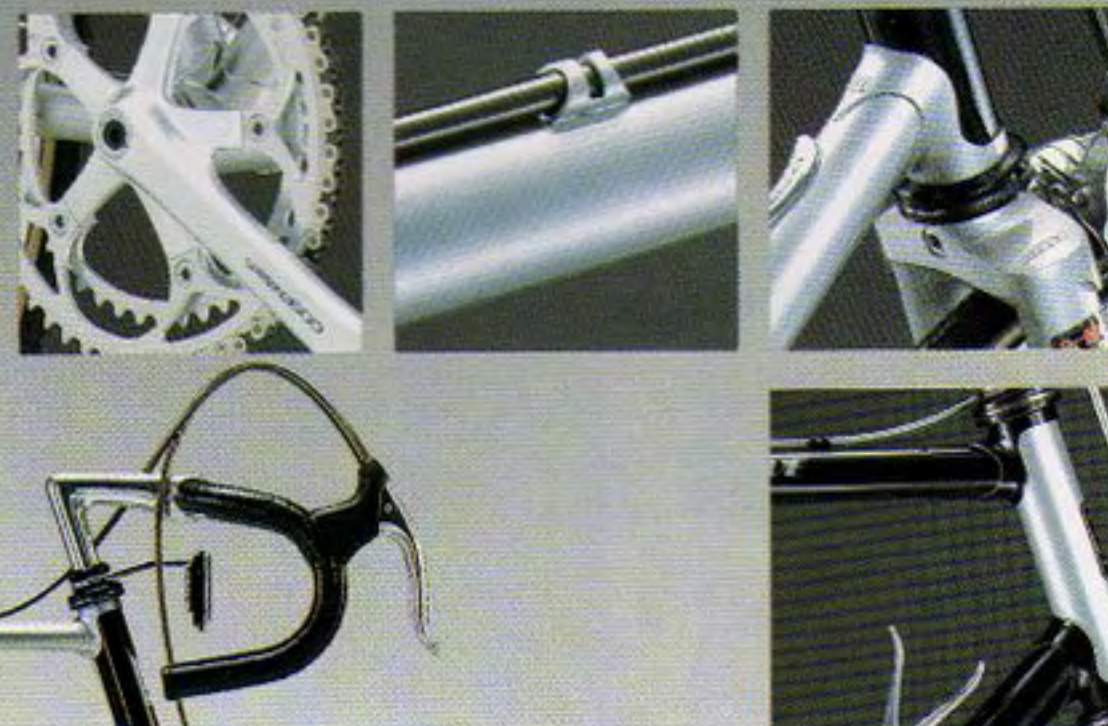
These are serious bicycles. Nothing about them says compromise. Steep tube angles pitch you forward into your work. Every ounce of force you crank into this machine is instantly transmitted through the rear wheel onto the raceway to a spot already behind you.

Here are frames strong enough to withstand flat out hammering across Europe's cobble-stoned race circuits. Yet light and responsive to the point of practically anticipating your next move.

These are the bicycles of the team that won the coveted World Cup. The bicycles that have earned the respect of world-class riders everywhere. If you believe coming in second is losing, give yourself the Miyata advantage. That's **...THE RIGHT FRAME OF REFERENCE**

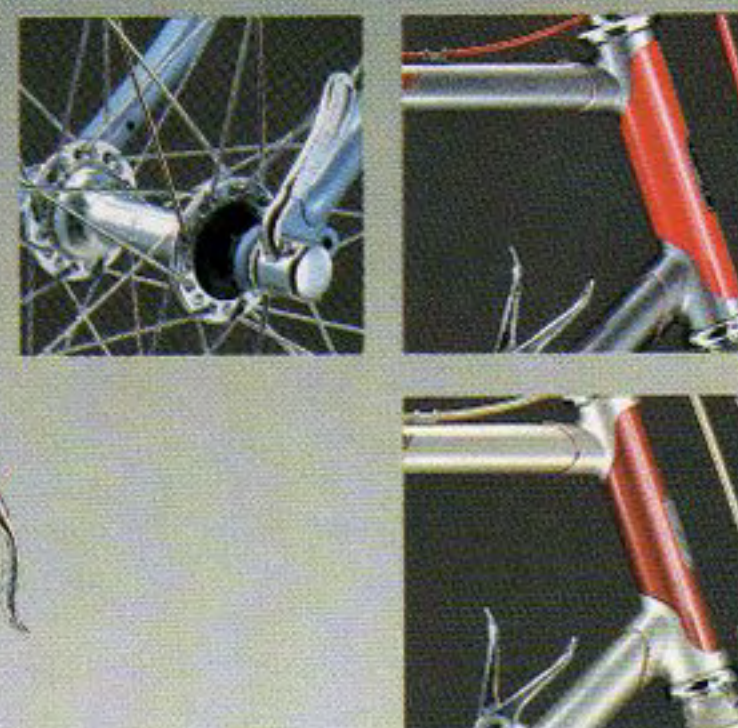
912

Our finest semi-pro model features triple-butted Chromoly tubing and investment cast fully lugged frame. Numerous Shimano New 600 EX components. Brazed-ons include bottle basements on seat tube and down tube. These features and many extras make this the choice of triathletes everywhere. **Colors:** Metallic Black with Silver head tube. Olympic Silver with Black head tube. **Frame Sizes:** 50, 54, 57, 60, 63 cm. **Speeds:** 12 Water bottle 1pc. optional



310

An ideal bicycle for all reasons. The Chromoly triple-butted frame is stiff enough to permit high speed racing, yet it has been designed to give you long hours of comfortable riding. Check the specifications pages at the back of this catalog for a complete run-down of features. **Colors:** Zodiac Blue with Blue head tube. Dark Platinum with Red head tube. Pale Gold with Brown head tube. **Frame Sizes:** 19½", 21", 23", 25". **Speeds:** 12 Water bottle optional



710

Like all our models, Miyata frame integrity is evident in the 710 and has been designed with the triathlon contestant in mind.

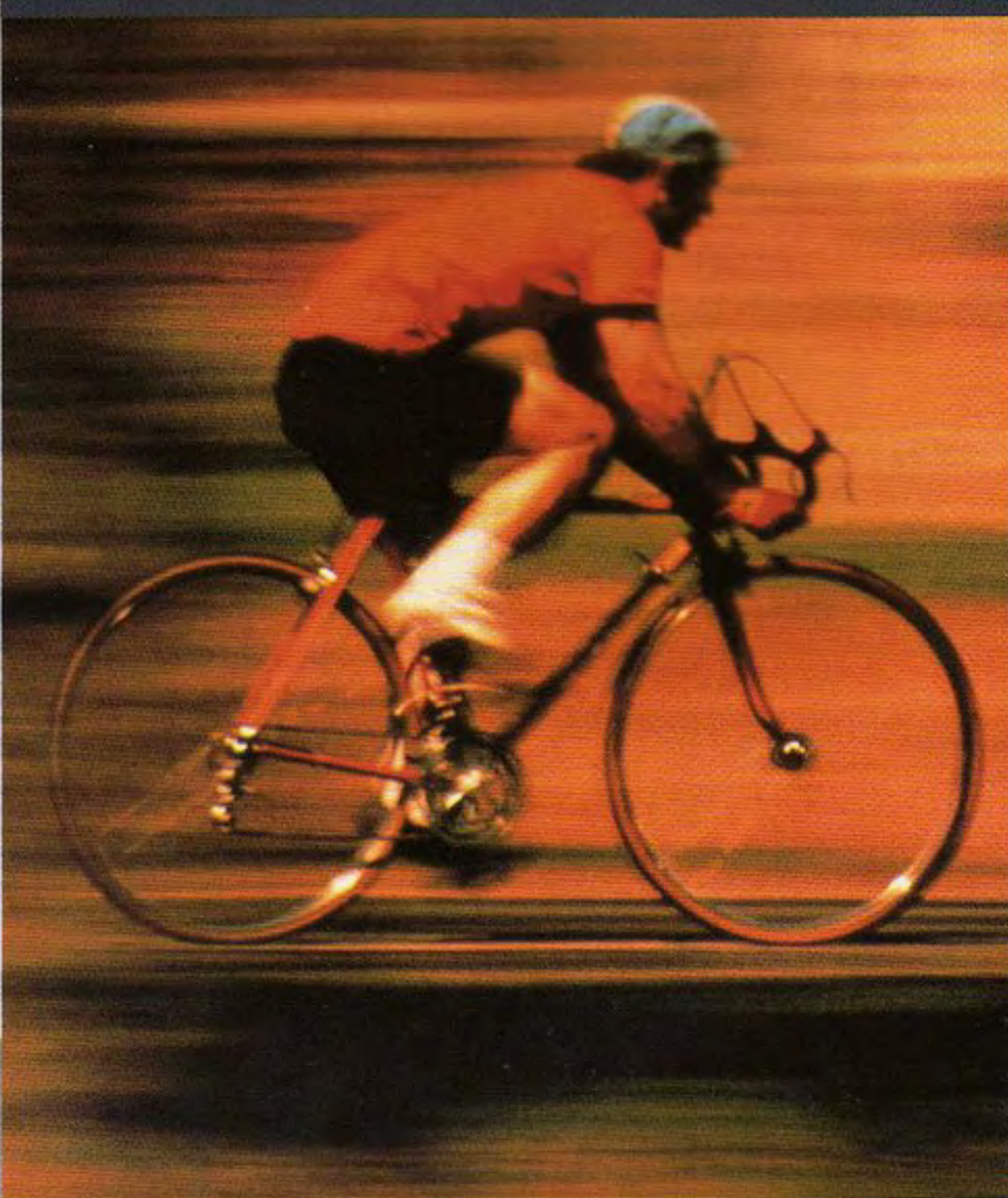
Chromoly triple-buttressed tubing, fully lugged frame, Mangalight fork, SunTour gear system and Dia-Compe brakes. Bottle base-mounts on seat tube and down tube. A bicycle with the right frame of reference, whether you're in competition or just street riding. **Colors:** Sunrise Red with Silver head tube. Steel Blue with Gold head tube.

Frame Sizes: 48, 50, 54, 57, 60, 63 cm.

Speeds: 12 Water bottles optional



BE THE VERY BEST YOU CAN BE: MIYATA'S SEMI-PRO RACING SERIES



PISTA

An ideal track bicycle for the budget minded or if you're just getting into competitive racing. Like its companion bicycle, the Team Pista, this model features Chromoly double butted tubing. Extras include tools and rim cement. **Color:** Pearl White with Black head tube. **Frame Sizes:** 50, 54, 57, 60, 63 cm



These are the bicycles recommended for triathletes. Riders who are intent on not merely keeping fit but staying competitive. These bicycles challenge the abilities of all but the finest world-class cyclists.

From the designer's point of view, our semi-pro series gives you all the solid logic of our professional series; they can in no way be considered a compromise. But because they're born to versatility, these bicycles provide you with a broader spectrum of function than the pro series. They will keep you up front, hammering with the best—and on other days, give you countless, comfortable hours in the saddle while training, touring, or enjoying an exciting (and efficient) alternative to running.

These bicycles just may help you be better than you ever thought possible. And discovering your personal best is **...THE RIGHT FRAME OF REFERENCE.**

WHEN GETTING THERE IS ALL THE FUN: MIYATA'S GRAND TOURING SERIES



1000

Expert craftsmanship is evident in the 1000. Chromoly triple-buttressed tubing, micro-fusion welding and a fully lugged frame. This 18-speed touring bicycle features Shimano 600 EX gears, crank and rear cluster. Braze-ons include triple bottle basements on seat tube and down tube. Standard equipment includes light alloy rear carrier, water bottle 1pc., tools, sealed hubs, a 40-hole rear wheel and Nylon belted tires. **Color:** Royal Platinum. **Frame Sizes:** 50, 54, 57, 60, 63 cm. **Speeds:** 15



610

Miyata combines both touring and sports bicycle characteristics in the 610. The frame is designed for long distance riding while the steering is quicker, the ride stiffer than most touring bicycles. Like the 1000, the 610 features sealed hubs, Shimano components and triple-buttressed Chromoly tubing. **Colors:** Artesian Blue, Burnt Sienna. **Frame Sizes:** 18", 19½", 21", 23", 25". **Speeds:** 18. Water bottles optional





For all the glory of racing, nothing tests the mettle of the frame builder more than the touring bicycle. The basic design requires a sophisticated set of angles that optimize both comfort and performance. There, the fork rake is pushed forward to increase the bicycle's trail. So, when you're on the trail, the longer footprint not only gives you a smoother ride but better handling characteristics, even when the front rack is loaded with gear.

It's riding a century from home that makes you appreciate the metal of

Miyata's Grand Touring Series. Cr-Mo frames that are springy enough to absorb road shock, strong enough to stand up to pothole after pothole.

The component group, too has been selected for dependability as well as convenience. Clearly, Miyata is up to the challenges of designing an intelligent touring series. When you feel that getting there is really arriving, that's **...THE RIGHT FRAME OF REFERENCE.**



210

A touring bicycle for the budget-conscious rider. This value-packed model has triple-buttressed Chromoly tubing with a Mangalight racing fork. Loads of brazed-on fittings and a rear carrier make this an outstanding value.

Colors: Zodiac Blue, Sandstone.

Frame Sizes: 19½", 21", 23", 25".

Speeds: 15 Water bottle optional



210 M

Women will appreciate the handling characteristics of the 210 M and the anatomically designed Selle Italia saddle. This version shares all the features of the 210.

Colors: Zodiac Blue, Sandstone.

Frame Sizes: 19½"(M), 22"(M).

Speeds: 15 Water bottle optional



**BECAUSE
IT'S THERE:
MIYATA'S
ATBs.**



RIDGE-RUNNER

When you're slip-sliding down the mountainside, it's no time for frame failure. Almost one century of manufacturing know-how has produced bicycles with outstanding frame integrity. The Ridge-Runner reflects that expertise. Triple-buttressed Chromoly tubing, fully lugged frame, Chromoly tapered seat stays and sealed hubs and headset makes the Ridge-Runner the "king of the hill."

Color: Rocky Blue. **Frame Sizes:** 17½", 19½", 21", 23". **Speeds:** 18
Water bottles optional

Optional Alloy Rack



TERRA-RUNNER OR

The all-purpose, all-terrain refined cousin to the Ridge-Runner. Chromoly tubing with Mangalight fork and many brazed-on features. This Miyata model is ideal for either commuting or communing with nature. **Color:** Metallic Black. **Frame Sizes:** 17½", 19½", 21", 23". **Speeds:** 18
Water bottles optional



Challenges are where you find them. Whether your goal is to tame the Rockies, or survive the city, you need an achievement-oriented machine. One that responds to your command, not the terrain's. That gives you the go power you need to surge up peaks, the stopping power you need to shun city hazards. With a geometry acute

enough to maneuver like a mountain goat, broad enough to handle your pack like a mule. And when you're tooling into town, a sitting posture that lets you (and your suit) arrive at the office looking every inch the civilized homo sapien. Versatility in the face of adversity

...THE RIGHT FRAME OF REFERENCE.



STREET-RUNNER

The Street-Runner shares all the brazed-on features found on the Terra-Runner and the same frame as well. A slightly narrower tire makes this model ideal for the paved road and its low price makes it ideal for the budget-minded cyclist.

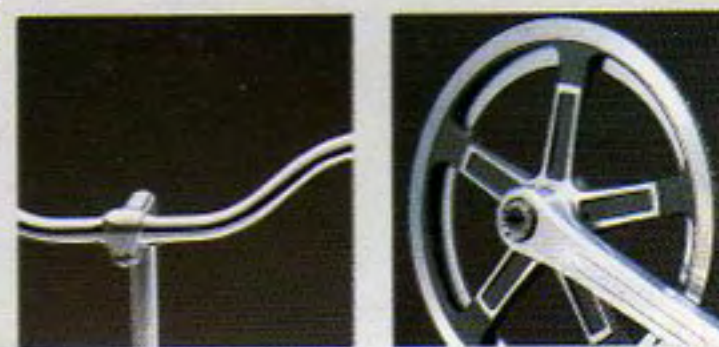
Color: Burnt Sienna. **Frame Sizes:** 17 1/2", 19 1/2", 21", 23". **Speeds:** 12 Water bottle optional



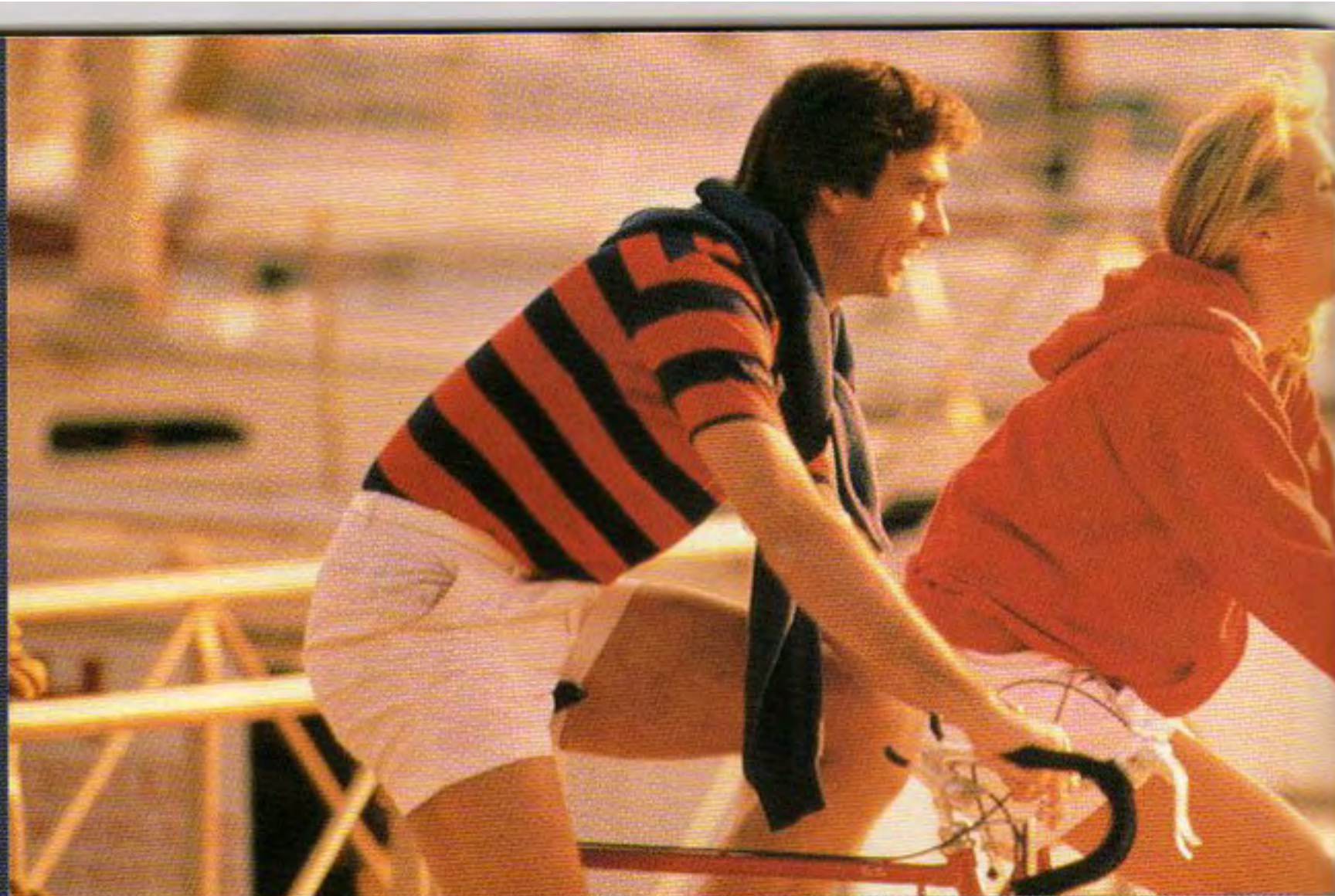
BEACH-RUNNER

For the fun of it! An all-terrain bicycle in the Miyata tradition at a modest price. Many of the components are similar to those found on bicycles costing much more. Brazed-ons include 3 cable guides, cable stopper and chain stay.

Color: Metallic Black. **Frame Sizes:** 19 1/2", 21", 23". **Speeds:** 5



FAMILY FITNESS AND FUN: ALL ROUND SPORT SERIES.



110

Triple-butted Chromoly tubing with a Mangalight racing fork. Quality components and lots of brazed-on fittings. These are some of the reasons why the 110 is still one of the most popular models in the Miyata line. **Colors:** Starlite Black with Silver head tube; Silver Frost with Silver head tube; Burnished Red with Silver head tube. **Frame Sizes:** 19½", 21", 23", 25", 27". **Speeds:** 12. Water bottle optional.



90/90M

Chromoly tubing, brazed-on fittings, quick release hub and Miyata engineering combine to make this a fine value for the price-conscious buyer. **Colors:** Superior Blue, Quicksilver (Men's only), Champagne Pink (Mixte only). **Frame Sizes:** 19½", 21", 23", 25"; 19½"(M), 22"(M). **Speeds:** 12.





When you're serious about your fun, you want a bicycle that's serious enough not to be a spoilsport. There's nothing frivolous about our all round sports. They're made of the same tough tubing that we use in making our most expensive, high performance models. These bicycles are rugged and reliable—yet quick. Responsive. With enough gears to get daughter across the hilliest campus; enough

comfort to get mom and dad through a pleasant evening workout. These spirited chargers sport features you'd expect to find only on Miyata's professional models. At prices that will encourage the whole family to experience a new level of fun on wheels. When riding a champion makes it a real pleasure ride, that's **...THE RIGHT FRAME OF REFERENCE.**



100

Triple butted Chromoly tubing is rarely found in a bicycle as economical as the 100. Other features include a Mangalight front fork and quick release hubs. **Colors:** White Lighting Cobalt Blue. **Frame Sizes:** 19½", 21", 23", 25"; 19½"M, 22"M. Water bottle optional.



SPORT 10/10M

An economy bicycle in men's and women's models with many outstanding features. Cotterless crank, Chromoly frame and Dia-Compe side pull light alloy brakes. **Colors:** Diamond Blue, Red. **Frame Sizes:** 17¾", 19½", 21", 23", 25"; 17¾"(M), 19½"(M). **Speeds:** 10

A Sport Junior (not illustrated) similar to the Sport 10 is also available. The Sport Junior is equipped with 24" diameter wheels instead of 27" for the beginner rider. It is also available with the Shimano FF system in both men's and women's models.



TEAM-MIYATA



FRAME SIZE	A	B	C	D	E	F
50cm	72°	74°	535	413	589	994
52cm	72°	74°	535	413	589	994
54cm	73°	74°	550	413	589	992
56cm	73°	74°	550	413	590	993
58cm	73°	74°	565	413	605	1,008
60cm	73°	74°	580	413	620	1,023
63cm	73°	74°	580	413	621	1,024

FRAME MATERIALS: Cr-Mo triple butted tubing. Cr-Mo seat and chain stays. Miyata investment cast lugs. Shimano EF ends. **FRONT FORK:** Cr-Mo tubing, lost wax crown with reinforcement plates. Shimano UF ends. **HEADSET:** Italian size **OVER LOCK NUT DIMENSION:** (F) 100 mm (R) 126 mm **BOTTOM BRACKET:** English thread, width 68 mm **SEAT POST DIAMETER:** 26.8 mm **SET PARTS:** AH Seat pin. Rear end adjusting screws. AH bolts on bottle basements. **COLOR:** Bright Blue with Black head tube. **BRAZED-ONS:** Campagnolo style shifter basements on down tube. Bottle basements on down tube and seat tube. Cable guides on bottom bracket shell. Brake basement on rear bridge. Chain hook on seat stay.

912



FRAME SIZE	A	B	C	D	E	F
50cm	71°	73°	535	420	589	999
54cm	72°	73°	550	420	595	1,005
57cm	72°	73°	565	420	600	1,010
60cm	73°	73°	580	420	615	1,025
63cm	73°	73°	580	420	615	1,025

FRAME MATERIALS: Cr-Mo triple butted tubing. Cr-Mo seat and chain stays. Miyata investment cast lugs. Shimano SF ends. **FRONT FORK:** Cr-Mo tubing, cast crown, TF forged ends. **HEADSET:** Italian size. **OVER-LOCK NUT DIMENSION:** (F) 100 mm (R) 126 mm **BOTTOM BRACKET:** English thread, width 68 mm **SEAT POST DIAMETER:** 26.8 mm **SET PARTS:** AH seat pin. Rear end adjusting screws. AH bolts on bottle basement. **COLOR:** Metallic Black with Silver head tube. **BRAZED-ONS:** Campagnolo style shifter basements on down tube. Bottle basements on down tube and seat tube. Cable guides on bottom bracket shell. Chain hook on seat stay.

1000



FRAME SIZE	A	B	C	D	E	F
50cm	71°	72°	535	450	593	1,038
54cm	72°	72°	550	450	596	1,037
57cm	72°	72°	565	450	611	1,052
60cm	72°	72°	580	450	628	1,067
63cm	72°	72°	580	450	626	1,067

FRAME MATERIALS: Cr-Mo triple butted tubing. Cr-Mo seat and chain stays. Miyata investment cast lugs. SUNTOUR GS-6 ends. **FRONT FORK:** Cr-Mo tubing. Cast crown. TL forged ends. **HEADSET:** Italian size. **OVER LOCK NUT DIMENSION:** (F) 100 mm (R) 126 mm **SEAT POST DIAMETER:** 26.8 mm **SET PARTS:** AH seat pin. Rear end adjusting screws. AH bolts on bottom basements. **COLOR:** Royal Platinum. **BRAZED-ONS:** Two sets of bottle basements on down tube. One set of bottle basements on seat tube. Cable guides on bottom bracket shell. Cantilever brake bosses. Rear carrier basements. Chain hook and rear brake cable hanger on seat stay. Pump peg on head tube. Carrier basements for low mount front rack.

RIDGE-RUNNER



FRAME SIZE	A	B	C	D	E	F
17 3/4"	68°30'	70°	540	465	614	1,077
19 1/2"	69°30'	70°	560	465	611	1,074
21"	70°	70°	580	465	631	1,094
23"	70°	70°	600	465	651	1,114

FRAME MATERIALS: Cr-Mo triple butted tubing. Cr-Mo seat and chain stays. Shimano SF-22 ends. Fully lugged frame. **FRONT FORK:** Cr-Mo tubing. Semi-sloping cast crown. TL forged ends. **HEADSET:** Italian size. **OVER LOCK NUT DIMENSION:** (F) 100 mm (R) 130 mm **BOTTOM BRACKET:** English thread, width 70 mm **SEAT POST DIAMETER:** 26.8 mm **SET PARTS:** Rear end adjusting screws. AH bolts on bottle basements and rack mounts. **COLOR:** Rocky Blue. **BRAZED-ONS:** Cantilever brake bosses. Bottle basements on down tube and seat tube. Cable guide on bottom bracket shell. Cantilever brake basement, brake hanger arch and carrier bracket on seat stay. Fender bosses. Carrier basements for low mount front rack.

WHEN YOU'RE BUILDING FROM THE GROUND UP: MIYATA FRAME SETS.

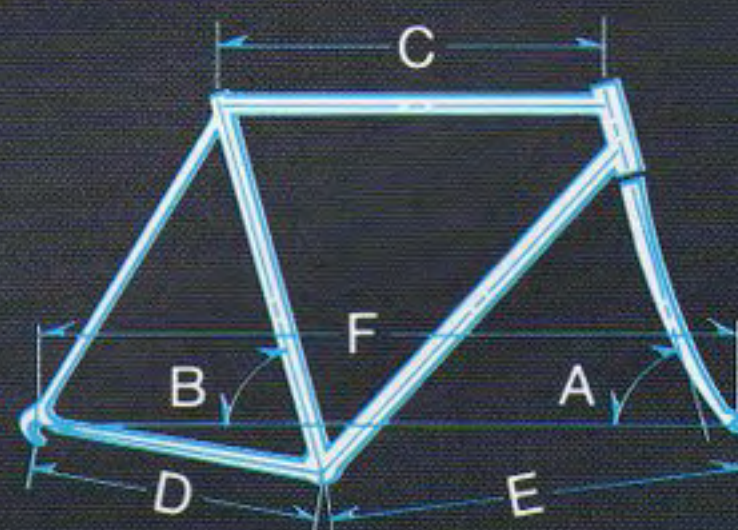


If your intention is to create a custom-edition, high-performance bicycle or simply reduce the cost of owning one, a Miyata frame set is unquestionably the correct place to begin. Every frame is chromoly tubing from the seat stays to the fork ends. Triple butted, fully lugged, these frames are engineered to withstand more punishment under more demanding conditions than any cyclist could survive.

This is the frame when you're itching to fill that spot on the floor with a bicycle that's right just for you. Here is a proper home for sophisticated componentry—the proving ground for your idea of the ultimate combination.

Because you know the sum of the parts will never be better than the part you start with, you'll start with Miyata.

It's... **THE RIGHT FRAME OF REFERENCE.**



KiKi&Lala

Even the name implies "fun." And what little girl won't have fun on this bicycle. The 20" is equipped with a front basket and handlebar bell. The 16" has training wheels, rear carrier and buzzer type horn. Both have a full chain guard for safety.

16" equipped with a coated wire basket and travel case, rear carrier, buzzer-type horn and training wheels.

20" equipped with front coated wire basket, travel case and handlebar bell.

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EXERCISER

Stay in shape at home. The same fine quality you find in every Miyata bicycle is evident in our exerciser. The wide padded saddle means more comfort while cycling. The easy-to-read speedometer and timer lets you regulate your exercising precisely. Also features a full chain case for complete safety.



UNICYCLES

Ready for a new cycling experience? Take a test ride on a Miyata unicycle. The Flamingo model is available in three frame sizes. Color is blue.

The Flamingo DX features an Alloy cotterless cranks, Ariake nylon saddle and tough BMX Alloy rim. The Flamingo DX is available in one frame size. Color is chrome plated.



F-16

F-20

F-24

FX-24

MIYATA JERSEY



100% acrylic

RIDER'S T-SHIRT



100% cotton or 50/50 cotton and poly

GOLF SHIRT



50/50 cotton and poly

RACING CAP



Lightweight. Elastic band.
One size fits all.

TOUCH-UP PAINT

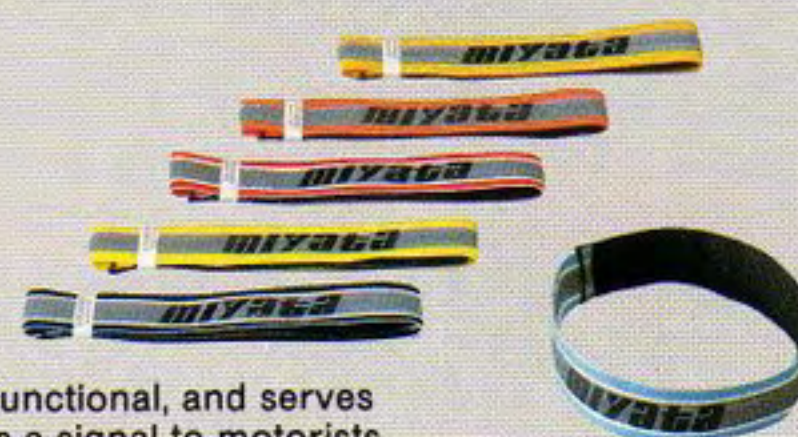


Identical match-up to your original paint color.

PARTS & ACCESSORIES

All these items are manufactured only by and for Miyata. They can be purchased from your authorized Miyata dealer.

REFLECTIVE LEG BANDS



Functional, and serves as a signal to motorists.

WATER BOTTLE/CAGE



Durable, quality construction. Cage available separately.

NYLON WINDBREAKER MECHANICS APRON



Lightweight, durable, with lining.

Heavy denim. Cotton twist ties.

REAR CARRIER

Rugged alloy construction. Built to carry heavy loads.



TIRES

Miyata tires are manufactured to meet the demands of the different riding conditions. Miyata makes radial Kevlar and nylon belted tires as well as others. Specify Miyata tires and tubes when replacing original equipment.

NAME	SPORT	GRAND SPORT	GRAND TOURING	RECORD	KEVLAR	RADIAL	ALL TERRAIN	
Best Use	General Use	Sport Riding	Touring	Hi-speed Riding	Competition	Heavy Touring	On/Off Road	Off Road
Tread Design	(No. 11)	(No. 7)	(No. 10)	(No. 12)	(No. 7B)	(TTR)	(MB-3)	(MB-1)
Section								
A	Size	27 x 1-1/4"	27 x 1-1/8"	27 x 1-1/8"	700 x 20C	700 x 25C	27 x 1-1/4"	26 x 2.125
	LBS	90 lbs	100 lbs	100 lbs	100 lbs	100 lbs	70~80 lbs	50 lbs
	Weight	480g	320g	340g	275g	300g	400g	680g
	Model	10 90	110 310	210	912	PM	610	SR TR-OR RR
B	Size	27 x 1-1/8"	700 x 20C			700 x 32C		
	LBS	100 lbs	100 lbs			70~80 lbs		
	Weight	450g	260g			400g		
	Model	100	710			1000		
						RADIAL		
		DUAL-HARD	DUAL-HARD	DUAL-HARD	DUAL-HARD	DUAL-HARD		
			NYLON BELTED	NYLON BELTED	KEVLAR BELTED	NYLON BELTED	NYLON BELTED	NYLON BELTED

SERIES	PROFESSIONAL RACING SERIES			SEMI-PRO SERIES				GRAND TOURING SER	
MODEL	TEAM MIYATA	PRO MIYATA	TEAM PISTA	912	710	310	PISTA	1000	610
FRAME SIZES	50, 52, 54, 56, 58, 60, 63 cm	50, 54, 57, 60, 63 cm	50, 54, 57, 60, 63 cm	50, 54, 57, 60, 63 cm	48, 50, 54, 57, 60, 63 cm	19½, 21", 23", 25"	50, 54, 57, 60, 63 cm	50, 54, 57, 60, 63 cm	18", 19½", 21", 23", 25"
FRAME MATERIALS	Cr-Mo triple butted tubing. Cast lugs, 16mm tapered seat stays. Cr-Mo oval chain stays.	Cr-Mo triple butted tubing. Cast lugs, 16mm tapered seat stays. Cr-Mo oval chain stays.	Cr-Mo double butted tubing. 16mm tapered seat stays and oval chain stays.	Cr-Mo triple butted tubing. Cast lugs. Cr-Mo 16mm tapered seat stays and oval chain stays.	Cr-Mo triple butted tubing. Cast lug. Tapered seat stays and oval chain stays.	Cr-Mo triple butted tubing. Tapered seat stays	Cr-Mo double butted tubing. Tapered seat stays and oval chain stays.	Cr-Mo triple butted tubing. Cast lugs, 16mm tapered seat stays. Cr-Mo oval chain stays.	Cr-Mo triple butted tubing. 16mm tapered seat stays and oval chain stays.
FRONT FORK	Cr-Mo 24mm Oval cast crown.	Cr-Mo 24mm Oval chrome plated.	Cr-Mo tubing Cast crown	Cr-Mo 24mm Oval tubing. Semi-sloping crown.	Mangalight tubing with Semi-sloping crown.	Mangalight with semi-sloping crown.	Mangalight with semi-sloping crown.	Cr-Mo 24mm Oval tubing. Semi-sloping crown.	Mangalight tubing. Italian style crown.
HEADSET	SHIMANO New Dura-Ace	TANGE Levin Alloy	SHIMANO Dura-Ace	TANGE ALLOY Black anodized	TANGE New Falcon	TANGE	TANGE Nova	TANGE Levin sealed	TANGE Sealed
DERAIL-LEURS	SHIMANO New Dura-Ace w/New Dura-Ace shifter	SUNTOUR Superbe w/Superbe Pro shifter		SHIMANO New 600 EX with New 600EX top mount shifter.	SUNTOUR New Cyclone with top mount shifter	SHIMANO 105 with 105 top mount shifter		SHIMANO (F) Deore XT-GS (R) Deore XT-SP SLZ-408 shifter	SHIMANO (F) Z-206-GS (R) L-514-SGS w/L-412 shifter
CLUSTER	SHIMANO New Dura Ace 6 speed 13-18 teeth	SUNTOUR New Winner 6 speed 13-21 teeth	SHIMANO Dura-Ace 15-tooth sprocket	SHIMANO New 600 EX 6 speed 13-24 teeth sealed	SUNTOUR Pro-Compe 6 speed 14-28 teeth Gold	SHIMANO-UG 6 speed 14-28 teeth Gold	SUNTOUR 15-tooth sprocket	SHIMANO New 600EX 5 speed 14-28 teeth sealed	SHIMANO UG 6 speed 14-28 teeth Gold
CHAIN	SHIMANO Dura-Ace UG Nickel Finish	SUNTOUR-Z Gold/Black	DID-TRACK Silver	SHIMANO 600 UG Silver/Black	SUNTOUR Z Gold/Black	SHIMANO-UG Black	DID-TRACK	SHIMANO 600 UG Gold/Black	SHIMANO 600 UG Gold/Black
CRANK SET	SHIMANO New Dura-Ace 53x42 teeth	SUNTOUR Superbe Pro 53x42 teeth	SHIMANO Dura-Ace 50 teeth	SHIMANO New 600 EX 52x42 teeth sealed B.B.	SUGINO GS-LP 52x42 teeth	MIYATA SIGNATURE SUC-100 52x42 teeth	SUGINO Astron track 50 teeth	SHIMANO 600 EX 50x42x28 teeth sealed B.B.	SUGINO TGT-LP 52x44x28 teeth sealed B.B.
PEDALS	SHIMANO New Dura-Ace	SUNTOUR Superbe Pro PL-2000	MKS Unique Custom track w/Cr-Mo axle	SHIMANO New 600 EX	MKS Esquartz 102	MKS AR-Road 2	MKS Sylvan Track	MKS Esquartz 107	SR SP-155
TIRES	VITTORIA Corsa-CG Tubular 240g.	MIYATA KEVLAR ¹ KEVLAR Belted 700x25C SSW 100 lbs. 300g. Dual Hard Tread	VITTORIA Pista-CS Tubular 150g.	MIYATA RECORD Nylon Belted 700x20c SSW 100 lbs. 270g. Dual Hard Tread	MIYATA GRAND SPORT Competition 700x20c SSW 100 lbs. 270g Dual Hard Tread	MIYATA GRAND SPORT 27x1½ SSW 100 lbs. 320g Dual Hard Tread	PANARACER Leger Tubular 230g	MIYATA Grand Touring Nylon Belted 700x32c SSW 70-80 lbs. 360g Dual Hard Tread Radial	MIYATA Grand Touring Nylon Belted 27x1¼ SSW 70-80 lbs. 380g Dual Hard Tread Radial
RIMS	MAVIC GP-4	UKAI Model 20-A 700C Black Hard Anodized	ARAYA Aero DX	UKAI Model 20-A 700C Black Anodized polished side	UKAI Model 20-A 700 C Black Anodized	ARAYA Model 18 Anodized	ARAYA 16-B	ARAYA Model 16-A3 36H/40H 700C Anodized	UKAI Model 16-A2 27x1¼ 36H/40H Anodized
BRAKE SET*	SHIMANO New Dura-Ace	DIA-COMPE NGC-400 with hooded levers		SHIMANO New 600 EX	DIA-COMPE GX-500N with hooded levers.	SHIMANO BR-Z 570 Q.R. Tire Guides w/hooded levers		SHIMANO DEORE XT Cantilever w/hooded levers	SHIMANO AT-50 Cantilever w/hooded levers
HUBS	SHIMANO New Dura-Ace w/Q.R.	SUNTOUR New Cyclone Sealed w/Q.R.	SHIMANO Dura-Ace	SHIMANO New 600 EX Sealed w/Q.R.	SUNSHINE Gyro-Master Sealed w/Q.R.	SHIMANO Alloy with w/Q.R.	SUNTOUR Sprint Track	SUNSHINE Gyro-master Sealed w/Q.R.	SUNSHINE Gyro-master Sealed w/Q.R.
SPOKES	14x15G double butted stainless	14x15G double butted stainless	Aero style stainless	14G stainless	14G stainless	14G stainless	15 G	14G stainless	14G stainless
SADDLE	SELLE ITALIA Turbo Nu Buck	SELLE ITALIA Turbo Nu Buck	SELLE ITALIA Turbo Nu Buck	SELLE ITALIA Turbo Nu Buck	SELLE ITALIA Mundialita Suede	SELLE ITALIA Mundialita Vinyl	ARIAKE 77C-DX Vinyl	SELLE ITALIA Anatomic Nu Buck	SELLE ITALIA Anatomic Nu Buck
SEAT PILLAR	SHIMANO Dura-Ace EX	SR CR-E	SHIMANO Dura-Ace EX	SR CR-E	SR CT-P5E	SR CT-P5E	SR CT-P5E	SR CR-E	SR CT-P5E
HANDLE BAR	NITTO 55F Alloy	NITTO 55F Alloy	NITTO CRAFT Alloy Track	KUSUKI WP-B Alloy	SR CUSTOM Alloy	SR CUSTOM Alloy	NITTO Olympiad B115 Alloy	SR RANDONNEUR Alloy	SR RANDONNEUR Alloy
STEM	NITTO Technomic-Aero Black Anodized	NITTO Technomic-Aero	NITTO Pro. AA	KUSUKI SIGMA Alloy	SR CUSTOM Alloy	SR CUSTOM Alloy	NITTO Technomic-Aero	SR ROYAL Alloy	SR CUSTOM Alloy
HANDLE BAR TYPE	CATEYE Shiny Tape	CATEYE Shiny Tape	CATEYE Cotton	CATEYE Shiny Tape	CATEYE Shiny Tape	CATEYE Shiny Tape	CATEYE Cotton	Cushion Rubber Grips	Cushion Rubber Grips
EXTRAS	Water Bottle w/cage. Toe clips & straps. Tools. Chrome Plated right chain stay. Protective Clear Coat	Water Bottle w/cage. Toe clips & straps. Tools. Chrome Plated right chain stay. Protective Clear Coat	Toe clips & straps. Tools. Protective Clear Coat	Water Bottle w/cage. Toe clips & straps. Tools. Protective Clear Coat	Toe clips & straps. Pinstriping. Protective Clear Coat	Pinstriping. Protective Clear Coat	Tools.	Water Bottle w/cage. Toe clips & straps. Tools. Black Anodized Alloy Carrier. Protective Clear Coat	Toe clips & straps. Alloy Carrier. Pinstriping. Protective Clear Coat
APPROX. WEIGHT	21.5 lbs.	23.5 lbs.	20.5 lbs.	24.0 lbs.	23.5 lbs.	25.0 lbs.	20.5 lbs.	25.5 lbs.	26.5 lbs.
COLORS	Bright Blue #B114 (Black Head)	Pepper Red #R-188 (Yellow Head)	Bright Blue #B-114 (Gold Head)	Metallic Black #K-16 (Silver Head) Olympic Silver #S-12 (Black Head)	Sunrise Red #R-160 (Silver Head) Steel Blue #B-168 (Gold Head)	Zodiac Blue #B-154 (DK. Blue Head) Dark Platinum #S-11 (Red Head) Pale Gold #S-13 (Brown Head)	Pearl White #W-75B (Black Head)	Royal Platinum #S-14	Artesian Blue #B-167 Burnt Sienna #Y-95

	ALL TERRAIN SERIES				ALL ROUND SPORTS SERIES				
210	RIDGE RUNNER	TERRA RUNNER OR	STREET RUNNER	BEACH RUNNER	110	100	90	SPORT-10	SPORT JUNIOR
17 1/2", 21", 23", 19 1/2" M, 19 1/2" M	17 1/2", 19 1/2", 21", 23"	17 1/2", 19 1/2", 21", 23"	17 1/2", 19 1/2", 21", 23"	19 1/2", 21", 23"	19 1/2", 21", 23", 25", 27"	19 1/2", 21", 23", 25", 19 1/2" M, 22" M	19 1/2", 21", 23", 25", 19 1/2" M, 22" M	17 3/4", 19 1/2", 21", 23", 25", 17 3/4" M, 19 1/2" M	16 3/4", 16 3/4" M
Cr-Mo triple butted tubing	Cr-Mo triple butted tubing. Lugged frame. Cr-Mo 16mm seat and chain stays	Cr-Mo tubing 16mm tapered seat stays	Cr-Mo tubing 16mm tapered seat stays	Hi-tension tubing	Cr-Mo triple butted tubing	Cr-Mo triple butted tubing	Cr-Mo tubing	Cr-Mo tubing	Hi-tension tubing
Mangalight w/ Italian crown.	Cr-Mo tubing. Sloping crown	Mangalight w/semi-sloping crown	Mangalight w/semi-sloping crown	Hi-tension tubing	Mangalight	Mangalight	Hi-tension tubing	Hi-tension tubing	Hi-tension tubing
TANGE	TANGE Levin Sealed	TANGE sealed	TANGE	TANGE	TANGE	TANGE	TANGE	TANGE	TANGE-ST
SHIMANO Z-204-GS L-513-GS 12 shifter	SUNTOUR (F) Mountech (R) Mountech LL w/power thumb shifter	SHIMANO (F) Z 204 GS (R) L512 SGS AT-50 shifter	SHIMANO (F) Z 202 (R) Z 501 GS AT-50 shifter	SUNTOUR 7 w/Mighty shifter	SHIMANO (F) Z-204 (R) L-513 SS w/L-412 Top mount shifter	SUNTOUR (F) AR (R) AR-GT w/UBN 10 stem shifter	SHIMANO (F) Z-202 (R) Z-501 w/Z-401 stem shifter	SUNTOUR NEW 7 w/UB 10 stem shifter	SUNTOUR (F) Sport (R) Honor w/DL-72 shifter
SHIMANO UG 6 speed 14-32 teeth	SUNTOUR PRO COMPE 6 speed 14-32 teeth Gold	SHIMANO New 600 EX 6 speed 14-32 teeth	SHIMANO UG 6 speed 14-32 teeth	SUNTOUR Perfect 5 speed 14-28 teeth	SHIMANO UG 6 speed 14-28 teeth	SUNTOUR Perfect 6 speed 14-32 teeth	SHIMANO UG 6 speed 14-28 teeth	SUNTOUR 5 speed 14-28 teeth	SUNTOUR 5 speed 14-28 teeth
SHIMANO UG Black	SUNTOUR Z Gold/Black	SHIMANO UG Black	SHIMANO UG Black	SHIMANO UG Black	SHIMANO UG Black	SHIMANO UG Black	SHIMANO UG Black	SHIMANO UG Black	KEC
MIYATA SIGNATURE C-310 52x42 teeth	SUGINO TLP 50x40x28 teeth Sealed B.B. Chromoly Axle	SUGINO TGT 50x40x28 teeth Sealed B.B. Chromoly Axle	SUGINO VT 50x36 teeth Sealed B.B. Chromoly Axle	SR SN-5DXC1-B 48 teeth	MIYATA SIGNATURE SUC-310 52x42 teeth	MIYATA SIGNATURE SUC-310 52x42 teeth	SR CTC-5DXC 52x42 teeth	SUGINO 52x42 teeth	SR SNS-5SC2 48x40 teeth
SP-155	SUNTOUR XC-II Mountain oval Cr-Mo spindle	KKT RMX Cr-Mo spindle	SR w/Cr-Mo spindle	KKT RM-3	SR SP-154 Alloy	MKS M-33 Chrome Plated	MKS RT-7 Chrome Plated	MKS RT-7 Chrome Plated	KKT E-2
MIYATA Grand Touring 26x1 1/2 SSW 100 lbs. 450g Dual Hard Tread.	MIYATA Nylon Belted 26x2.125 SSW 50 lbs.	MIYATA Nylon Belted 26x2.125 SSW 50 lbs.	MIYATA Nylon Belted 26x1.50 SSW 50 lbs.	MIYATA 26x1.5 GSW 50 lbs.	MIYATA Grand Sport 27x1 1/2 SSW 100 lbs. 450g Dual Hard Tread	MIYATA Sport 27x1 1/2 GSW 100 lbs. 450g Dual Hard Tread	MIYATA Sport 27x1 1/4 GSW 90 lbs. 530g	MIYATA Sport 27x1 1/4 GSW 90 lbs. 530g	MIYATA Sport 24x1 1/2 GSW 45 lbs.
UKAI 16-A2 26x1 1/4 40H Anodized	UKAI 7C 26x1.75 Anodized	UKAI 7Z 26x1.75 Black/Silver	UKAI 7Z 26x1.50 Anodized	UKAI 26x1.50 Anodized	ARAYA Model 18 27x1 1/4	ARAYA Model 18 27x1 1/4	UKAI 16A-2 27x1 1/4	ARAYA Model 5 27x1 1/4 Chrome Plated	ARAYA Model 5 24x1 1/2 Chrome Plated
DIA-COMPE cantilever w/hooded levers	DIA-COMPE NGC 982 Mountain cantilever w/DC-280 levers	SHIMANO AT-50 Cantilever	DIA-COMPE DC-981 Cantilever w/DC-281 levers	DIA-COMPE DC-1020 w/131 levers	SHIMANO BR-Z 570 w/hooded levers	DIA COMPE 500 N w/164 levers	SHIMANO BR-Z 570 w/hooded dual levers	DIA-COMPE 730 w/hooded dual levers	DIA-COMPE DC-730 w/165 levers
SUNSHINE Alloy w/Q.R.	SUNTOUR Sealed Chromoly axle	SUNSHINE Black Anodized sealed w/Chromoly axle	SUNSHINE Alloy w/Chromoly axle	SUNSHINE	SUNSHINE Alloy w/Q.R.	SUNSHINE Alloy w/Q.R.	SUNSHINE Alloy (F) w/Q.R.	SUNSHINE	SUNSHINE
14G	14G Stainless	14G Stainless	14G	14G	14G	14G	14G	14G	14G
SELLE ITALIA Atomic Vinyl	SELLE ITALIA Anatomic Nu Buck	SELLE ITALIA Anatomic Vinyl	SELLE ITALIA Anatomic Vinyl	ARIAKE	SELLE ITALIA Anatomic Vinyl	SELLE ITALIA Anatomic Vinyl	SELLE ITALIA Anatomic Vinyl	SELLE ITALIA Anatomic Vinyl	ARIAKE 77-14J
CT-P6	SR CR-E 220 mm	SR CT-P5E 220mm	SR CT-P5E 220mm	MORI stainless	SR CT-P6	NITTO Alloy	MORI Stainless	MORI Stainless	MORI Stainless
NDONNEUR	NITTO B-801 Chromoly Bar	SR MTB-204 Alloy	SR MTB-301 Chrome Plated	KUSUKI MT-28B Chrome Plated	KUSUKI Alloy	KUSUKI Alloy	KUSUKI Chrome Plated	KUSUKI Chrome Plated	KUSUKI Chrome Plated
CUSTOM	NITTO MT-1 Alloy stem and Cr-Mo post	SR MTS-100 Black Anodized	SR MTS-110 Alloy	KUSUKI Alloy	KUSUKI Alloy	KUSUKI Alloy	KUSUKI Alloy	KUSUKI Alloy	KUSUKI Alloy
Shion Rubber Grips	MIYATA Rubber Grips	MIYATA Rubber Grips	MIYATA Rubber Grips	Cushion Rubber Grips	CATEYE Shiny Vinyl	Cushion Rubber Grips	Cushion Rubber Grips	Cushion Rubber Grips	Cushion Rubber Grips
Protective Clear Coat	Protective Clear Coat	Protective Clear Coat			Protective Clear Coat	Protective Clear Coat	Protective Clear Coat		
32.0 lbs.	32.0 lbs.	32.0 lbs.	30.5 lbs.	29.5 lbs.	26.5 lbs.	27.0 lbs.	27.5 lbs.	29.5 lbs.	28.0 lbs.
Rocky Blue #B-169	Rocky Blue #B-169	Metallic Black #K-16	Burnt Sienna #Y-95	Metallic Black #K-16	Silver Frost #W-79 (Silver Head) Starlite Black #K-14 (Silver Head) Burnished Red #R-187 (Silver Head)	White Lightning #W-80 Cobalt Blue #B-41	Superior Blue #B-166 Quicksilver #S-10 (Men's only) Champagne Pink #P-1 (Mixte only).	Diamond Blue #B-144 Red #R-119	Diamond Blue #B-144

MIYATA. QUALITY BICYCLES SINCE 1890

From the moment when we made Japan's first bicycle, nearly 100 years ago, Miyata has been guided by the pioneering spirit. The spirit that has always sought out the best materials, the best production techniques, the best way to learn from the experience of riders. The spirit that kicked over the tyranny of the "hand crafted" myth with the development of a truly precise manufacturing technology. The spirit that put Miyata bicycles to the test not just in the laboratory, but on the toughest roads in the world—the Tour de France, the Paris Roubaix, the Gran Prix de Frankfurt. This is the spirit that has won the World Cup and the world's respect for Miyata craftsmanship. That inspires our continuing search for self-improvement. And that stands, in the form of the Miyata guarantee, behind every bicycle we make.

MIYATA BICYCLE LIMITED WARRANTY

WARRANTEE:

- 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 lifetime of the bicycle.
- b) All original parts, except tires, tubes & cables are warranted to be free from defects for one year from the date of purchase.
- 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 charge and dealer labor charge (if applicable). This applies to parts, Frame and Front fork.

HOW TO CLAIM WARRANTY:

- a) All claims 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.
- b) If the original dealer is no longer available or is inconveniently located, the name of an authorized dealer nearest to you can be obtained from MIYATA whose address is stated below.

WARRANTY EXCLUSIONS:

- a) This warranty covers only to 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, improper assembly, improper fit, maintenance by any other person than an authorized MIYATA dealer, or use of unauthorized replacement parts.
- c) This warranty does not cover any personal injuries, damage or failure of the bicycle if used in any competitive event, including bicycle racing, bicycle motocross, stunt, or similar activities or when in training for 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 including any warranty of merchantability or fitness for 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 gives you specific legal rights, and you may also have other rights which vary from state to state.

miyata

Manufactured by: Miyata Industry Co., Ltd.
Chigasaki, Japan

AUTHORIZED DEALER

