



1988

SHOP

MIYAO

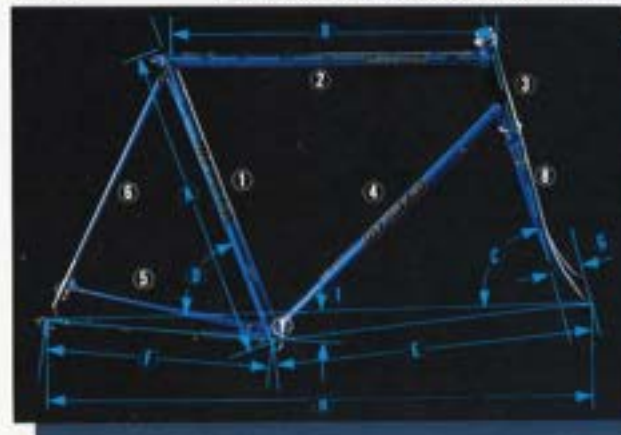
VOL 8

WE BUILD CONFIDENCE

Others build bicycles. We build confidence. And it's central to everything we do. Confidence is grounded in the sophisticated materials, the innovative construction, the state-of-the-art assembly techniques that distinguish a Miyata frame. It is inherent in the superior performance that distinguishes a Miyata bicycle. And it emerges in the singular self-confidence that distinguishes Miyata bicycle owners—whose confidence in their equipment releases their own potential to be the best they can be.

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. Drap



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

Confidence Builder #1: Design

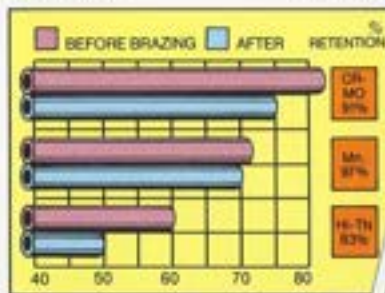
Confidence in your new Miyata begins by understanding that we design every bicycle to perform a specific task. And how well a bicycle will be able to perform the specific task you have in mind is principally determined by the frame's geometry. Simply stated, frame geometry is the relationship between the main frame tubes—the angles at which they intersect. So ultimate satisfaction with your new bicycle will depend on whether or not the frame was designed to do what you had in mind. For example, racing bicycles have a seat and head tube that are more

vertical than in other frames; the chain stays are shortened to pull the rear wheel close to the seat tube, and the fork rake is reduced. The result is a very stiff frame with a short wheel base. A bicycle bearing such frame geometry is quick, responsive and extremely maneuverable. Attributes well suited for racing, but a ride far too harsh for long-distance touring or city commuting, where comfort and stability are required.

Other uses dictate other designs, so you'll be pleased that Miyata has a frame specifically designed for Racing, Triathlon, Touring, Mountain and City.

Confidence Builder #2: Material

Once intelligent geometry has been achieved, proper material selection must follow. Function again dictates what materials are best suited for a specific design concept. Included among those considerations is the amount of sophistication required by the cyclist. Often, the main concern is price. We respond by providing materials that are technological marvels in themselves, so that Miyata's guarantee of reliability is never compromised at any price point. One of the best materials for frame construction is chrome-molybdenum steel. Called chromoly or Cr-Mo, it can be made into exceedingly lightweight, amazingly strong tubing (see diagram 1). For that reason it is used by many frame makers. But unlike the others, Miyata was not content with the tubing available from well-known tube makers. Although they were responding to our need for single-buttet tubes, it became evident that the refinements we were seeking would only be possible if we made our own tubing. In 1981 we became the only bicycle manufacturer to do so—and still are! We have been able to evolve tubing design from single to triple butting, and ultimately to spline. The result is STB: Spline, Triple-Butted chromoly tubing. Tubing superior to anything else available, and exclusively Miyata's.



Cr-Mo tubing starts out stronger, stays stronger even after brazing.

1

Miyata's exclusive spline tubing is used in the bottom bracket for extra stiffness, extra resistance to failure from torsion stresses.

Our tubing mill, in the world's finest production frames begin.



Confidence Builder #3: STB

Double, then triple butting was the natural consequence of our research on frame stress. It seemed quite obvious that the more we understood the forces trying to take a frame apart, the better we could make one stay together. Computer analysis proved, for instance, that stress from road shock could be offset by making the tubes thicker (butting) on the ends where the greatest stress occurs (see diagrams 2 and 3). Since the stress is not equal, the butts need not be equal.

Triple butting—each tube three different thicknesses—was the answer.

But potentially even more damaging to the frame is torsion stress that results from pedaling. The frame is whipped and twisted from side to side with each turn of the crank, and the most effective way to offset the torquing action is with our spline: a discreet ridge of steel that reinforces the interior wall of the tubing. The spline, used through the frame at critical stress points, creates not only a stronger, stiffer frame but a lighter one as well, because the added strength of the spline allows tube wall and butt thicknesses to be reduced.

Confidence Builder #4: Assembly

Assembly is perhaps the most critical phase in the creation of your bicycle frame. And it is at this stage that Miyata exceeds industry standards in every step of production. The specific geometry of the frame's design is maintained

by carefully mitering the tubes by laser beam, then joining them with investment-cast lugs. Accuracy is crucial. Gaps in the molten brass flowing between lug and tube wall can create weak spots. The precision of investment-cast lugs assures that no gaps will compromise the frame's integrity. Equally critical to frame strength is temperature during brazing. Overheating or rapid cooling makes the metal

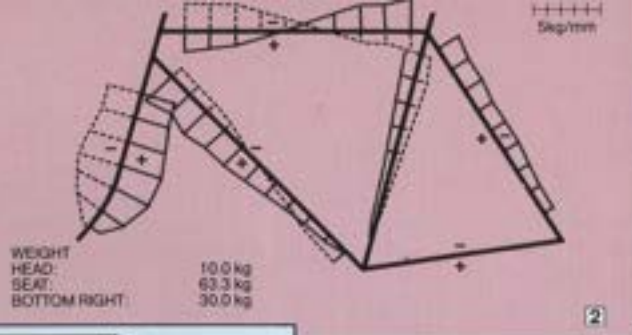


Pressed Lug



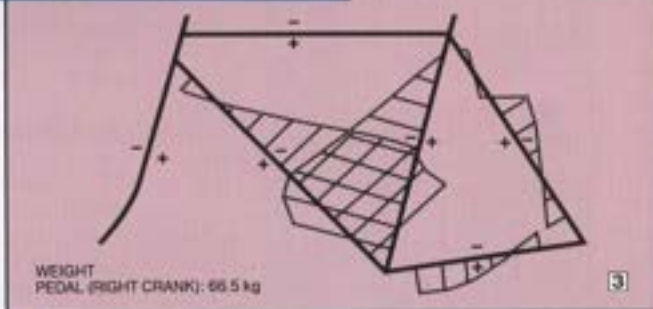
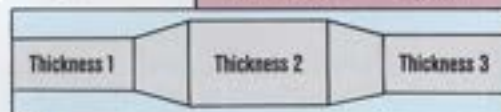
Investment-Cast Lug

Pressed lugs leave gaps that create weak joints. Our precision lugs (accurate to $\pm .001$) leave no gaps. The smooth tapers are critical to distributing stress over broad surface area.



2

Vertical stress, the equivalent of road shock, shows the importance of butting. Downtube pattern reveals how triple butting more accurately offsets actual stress loads.



3

Lateral stress can tear a weak bottom bracket apart. Miyata's spline girds tubes to withstand twisting effects of pedaling.

brittle and prone to shatter under stress. That can't happen at Miyata. Computerized machines infallibly grasp, align and braze our frames in repetitious perfection. And, in so doing, ritualistically destroy the hand-crafted myth perpetuated by framebuilders who have failed to make a commitment to advanced methods of manufacturing.

Confidence Builder #5: Fact Not Fad

Every year, new materials and new methods are hailed as the ultimate this and the last word in that. Rarely the case. Historically, bicycle design has been evolutionary, never revolutionary. Miyata has spent a century separating the fads from the facts. When new technology can significantly improve products, Miyata will use it. If an idea is only that, Miyata will develop it.

An example is our aluminum technology. We introduced a completely new aluminum alloy—and a process



Computerized frame brazers never have a bad day at the office and never over-heat tubing.

by which it could be welded. The process is a rarefied version of Tungsten Inert Gas (TIG) welding known only to one other welding company in the world. And how is it better? Finished frames do not have to be heat-treated after welding to replace their strength, a process that warps other aluminum frames. Other examples include Miyata's contribution to carbon fiber technology (see next page). STB tubing and seat and chain stay cross-section designs (oval, square, rectangular, etc.) to increase strength without increasing weight. And chain stays built unequally to compensate for greater stress of the chain-ring side of the frame. These are all improvements designed to add to your confidence in your framebuilder—Miyata.

Confidence Builder #6: Finishing

We go through a seven-step process to make sure your bicycle looks as fit as you do and will stay looking that way for a long, long time. First it's polished and treated with zinc phosphate to improve paint adhesion and to eliminate rusting. The frame is painted, using the latest electrostatic techniques, with layers of primers and finishing lacquers. After decals, a topcoat of hard, clear acrylic is applied to add a final deep lustre, and to protect the decals that declare the intelligence of your choice.



Confidence Builder #7: Component Selection

The job of creating a bicycle is nearly complete. From design to decal, we have built the finest frame today's technology can provide. The final step is the selection of a perfectly balanced set of components—ones that will contribute not only to the bicycle's intended use, but to your peace of mind. To insure our success we limit our choice to a select cadre of proven component manufacturers who share our determination to create a bicycle in which you will have unreserved confidence.

Miyata. We build confidence.



Carbon Fiber

Carbon fiber. Stronger than steel. Lighter than aluminum alloy. And in the hands of the finest production frame maker in the world, material you'd expect to result in some pretty spectacular bicycles. Miyata's two carbon fiber models will not disappoint you. Road ready, they weigh in at scarcely 18.5 pounds. They'll give you a ride unlike anything you've ever experienced.

To appreciate just how well Miyata has adapted this space-age fabric to a hundred-year tradition of frame making, you should know something about carbon fiber itself.

What is carbon fiber?

All organic matter contains carbon. Carbon fiber is an organic thread that is cooked in a non-oxygen environment to reduce it to pure carbon and not the ashes you find in the bottom of your barbecue kettle. The thread emerges as a tiny rod of carbon with the basic properties of

uncooked linguini: very stiff, very strong when you pull on the ends, easy to break if you snap it in the middle—although there is a recipe to overcome that obvious disadvantage. The rods become enormously resistant to lateral stress when layers and layers of them are impregnated in resin and formed into tubing. But, a note of caution here. Forming carbon fiber into tubes and simply substituting it for steel or alloy ("black aluminum") has not resulted in a great many reliable bicycles.

Why? People who make tubes don't make bicycles. People who make bicycles don't make tubes. Until Miyata. Our success is the result of blending our carbon fiber research with our thorough knowledge of frame dynamics.

Why is carbon fiber better?

And why is it irresistible to frame builders? Aside from the fact that it is stronger and lighter than metals (see diagrams 1 & 2), carbon fiber has a greater ability to absorb vibration and dampen shock, so it minimizes fatigue to the frame and to the cyclist. Because steel holds onto a shock wave longer (see diagram 3), it will be transmitted to the cyclist at higher amplitude. And, since shock waves and vibrations

are a constant condition of cycling, the rider will fatigue more quickly, just as a boxer who has to absorb a lot of punches tires more quickly than his opponent.

Why is Amorphous better carbon fiber tubing?

Years of stress testing our steel frames led to the development of STB tubing. That knowledge applied to carbon fiber resulted in our exclusive Amorphous tubing: a tube carefully layered with fibers at opposing angles to offset lateral pressures; a tube with five layers of fibers placed longitudinally to maximize tension strength; a tube wound with Amorphous metal wire to reinforce critical stress points. (See diagram 4).

What is Amorphous?

Amorphous metal is a modern metallurgical marvel. It is a metal with absolutely no crystalline structure, with viscosity four times greater than stainless steel and, as wire, with a tension strength exceeding carbon or boron fibers. When wound around our carbon tubes it adds stiffness that equals aluminum, strength that exceeds chromoly steel.

What's the bottom line?

Bicycles with frames proved in tests to be 600% stronger than other carbon fiber frames.

Bicycles with frames 20% stiffer than the stiffest chromoly frames yet 40% lighter.

Bicycles that filter out harsh pavement while still communicating essential road information to the rider.

Bicycles that absorb vibrations to conserve the cyclist's energy.

Bicycles that are a new generation of reliable, light, responsive ultra-performers. Carbon Tech and Amorphous, exclusively Miyata.

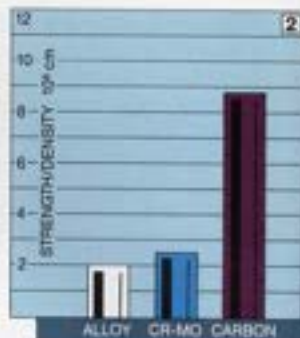
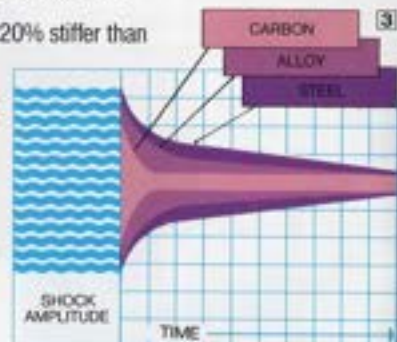
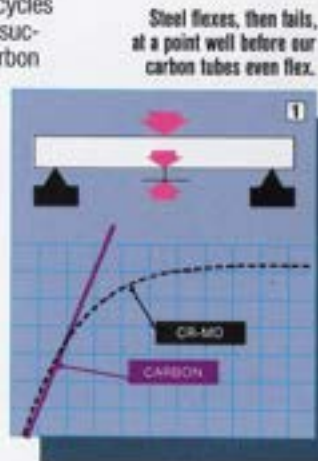


Chart compares strength of three equal tubes. Carbon is 3.5x stronger than steel even using less material.



Shocks dissipate almost immediately in carbon.

5 layers of carbon fibers run longitudinally for maximum tensile strength.

6 layers of carbon fibers are set at opposing angles for maximum torsion and lateral strength.

CARBON TECH 5000

The leading edge of carbon fiber technology. We have spun amorphous metal wire around layers and layers of composite material to create the stiffest carbon fiber tubes available. By gradually wrapping the wires closer together near the tube ends, a spline, butted effect is achieved, giving the 5000 a ride equal to the stiffest competition steel frames — yet it's 40% lighter. The 5000 is all carbon fiber in the main tubes and stays. A one-piece aluminum fork, new Dura-Ace 7-speed component group and Wolber 400 g rims preserve its state-of-the-art ranking. The 5000 represents the most advanced carbon fiber technology to date. **Color:** Burgundy. **Frame Sizes:** 50, 54, 56, 58, 60, 63 cm. **Speeds:** 14



CARBON TECH 1000

Fast. Light. Comfortable. An exotic combination of the latest carbon/aluminum technology. The rear triangle is Miyata's special process aluminum; up front is the same high-quality aluminum fork joined with investment-cast carbon fiber. More than 200 g less than all aluminum bicycles. Shimano's New 105 with SIS and Biopace complete this high-tech, high value package. **Color:** Natural. **Frame Sizes:** 50, 54, 56, 58, 60, 63 cm. **Speeds:** 12.



MIYATA PRECISION ALLOY LUGS

BULB-DRAWN ALLOY FORK

WOLBER AUBISQUE 400g RIMS
(Tires optional)

EXCLUSIVE AMORPHOUS TUBES

CASSETTE CLUSTER

SIS SHIFTER

7-SPEED DURA-ACE





RACING

Racing takes all the courage you can muster — whether you're running hook to hook through the right-angle turns of a city criterium or tearing your own hole in a headwind and agonizing over the six-mile run to follow. Miyata will give you the boost you need. This is the finest line-up of racing bicycles in our 100-year history. Bicycles designed to be quick and responsive, to efficiently convert your energy into maximum thrust. And they're built to do it consistently in the toughest conditions you'll face. They're built to give you confidence.



CASSETTE CLUSTER

7-SPEED DURA-ACE

SIS SHIFTER

AERO LEVEL

5TB CHROMOLY FRAME

AIR-BOTTLE BASEMENT

TEAM MIYATA

This is a rare breed. Virtually all factory teams race on one of a kind, custom-designed frames. But not Miyata. To own this limited production bicycle means you're riding the same one used by the pros on the world's most punishing race circuits. Nowhere is Miyata's leadership in technology and craftsmanship more apparent. The Team is triple-butted, spline, chromoly tubing from the dropouts to the blades, joined with precision, investment-cast Dura-Ace component group complete this professional racing package. Colors: Team Blue/White. Frame Sizes: 50, 52, 54, 56, 58, 60, 63 cm. Speeds: 14.



NUMBER PLATE HOLDER



MIYATA PRECISION LOSS

WOLBER AUBISQUE 400g RIMS
(Tires optional)



Santé



SELLA ITALIA TURBO SADDLE

AIR-BOTTLE BASEMENT

STB CHROMOLY FRAME

SPLINE, CHROMOLY FORK

SIS SHIFTER

BIOPACE

1200

This is not just another pretty face. Beneath the Santé designer component group you'll discover a rugged competitor. The frame is made of spline, triple-butted chromoly tubes from the chain stays to the fork. Triathletes will appreciate how the Santé 7-speed SIS clicks them thru abrupt changes in terrain while the Biopace cranks keep them pushing extra gear-inches. And all with such style! Color: Metallic Smoke/Silver. Frame Sizes: 50, 54, 56, 58, 60, 63 cm. Speeds: 14.





CLUB
RACING

912

A winner for triathletes. Spline, triple-butted Chromoly tubing including the fork, over-size dropouts and investment-cast lugs combine to make this a high-performance workhorse that will still be at the head of its class years from now. Features include Shimano's 600 Ultegra 7-speed component group with SIS and Biopace. New cassette cluster lets you quickly change gear ratios to match course conditions. Water bottle, triathlon saddle and sipping tires are just a few of the extras in this competition package. **Colors:** Sterling Black/Blue. **Sizes:** 50, 54, 56, 58, 60, 63 cm. **Speeds:** 14.

TRIATHLON



STD CHROMOLY FRAME

WOLBER ALPINA RIMS

SIS SHIFTER

SPLINE, CHROMOLY FORK

AIR-BOTTLE BASEMENT

BIOPACE



STD CHROMOLY FRAME

TOP-TUBE ROUTED CABLES

AIR-BOTTLE BASEMENT

712

The specifications on the 712 frame read like the Team Miyata of a few years ago. Even the fork blades are spline, triple-butted chromoly tubing. Wolber rims and Technova siping, dual-top-tube routed, cable give the 712 dynamics for competition or workouts that have tolerance for compromise. Miyata's racing heritage is evident in every design feature of this mid-priced winner. **Color:** White/Red, Black/Peacock. **Frame Sizes:** 50, 54, 56, 58, 60, 63 cm. **Speeds:** 12.



512

A new model in 1987 designed to provide entry level triathletes affordable access to Miyata quality. That holds true for 1988, too. The 512 offers a superb frame for every level of competition and conditioning. Small front-wheel version and narrower handlebars, cranks and stem give cyclists anatomical fit without sacrificing frame stiffness. Other high-performance features include Technova siping, dual hard tires, aero brake levers, top-tube routed cable, Shimano Indexed Shifting and Biopace crank set. **Colors:** Absolute Blue/White, White. **Small-front-wheel model, Glacier Blue.** **Frame Sizes:** 46 (small front wheel), 50, 54, 56, 58, 60, 63 cm. **Speeds:** 12.



SIS SHIFTER

SPLINE, CHROMOLY FORK



STB CHROMOLY FRAME

WOLBER GTA RIMS

SIS SHIFTER

AERO LEVERS

TANGE SEALED HEAD SET

BIOPACE



312

An economical, born-to-race bicycle. Quick and responsive, with a frame engineered to withstand the rigors of competition-level training. Triple-butted chromoly tubing, top-tube routed cable, Biopace crank set, Shimano SIS 6-speed and Selle Royal saddle are performance extras that will help riders of all ability be the best they can be. **Colors:** Peacock/White, Starlight Black. **Frame Size:** 50, 54, 56, 58, 60, 63 cm. **Speeds:** 12.



STB CHROMOLY FRAME

TOP-TUBE ROUTED CABLE

AERO LEVERS

SHIMANO SIS SHIFTER

SEALED HEAD SET

BIOPACE



112

Versatile sport touring bicycle that will distinguish itself and its rider in every situation from spirited club rides to casual campus commutes. Those new to double-digit gearing, fear not—Shimano index shifting will make your conversion effortless. Other features that keep the 112 at the head of its class are chromoly main tubes, brazed on shifter base and water bottle basement. **Frame Size:** 19 1/2, 21, 23, 25 inches. **Colors:** Absolute Blue/White, White/Black. **Speeds:** 12.



CR-MO MAIN TUBES

BRAZED-ON SHIFTER

BOTTLE BASEMENT

12-SPEED

UNIGLIDE CHAIN



110

Back by popular demand. This sporty lightweight has returned with DiaCompe Aero levers and Shimano 6-speed SIS. **Colors:** Dark Platinum/Red, Bright Blue/White, Champagne Pink (M only). **Sizes:** 19 1/2, 21, 23, 25, 20 (M) inches. **Speeds:** 12.



AERO LEVERS

ALLOY STEM

12 SPEEDS

QUICK-RELEASE HUBS

ARAYA ALLOY RIMS

SHIMANO DERAILLEURS



SIS SHIFTER

ARAYA ANODIZED RIMS

90

A sports or touring bicycle for all ages. Designed for comfort and efficiency with 10-speed stem shifters and dual brake levers. **Colors:** Fire Red, Metallic Smoke, Frosty Lilac (M only). **Sizes:** 17, 19 1/2, 21, 23, 25, 17 (M), 20 (M) inches. **Speeds:** 10.



DUAL BRAKE LEVERS

ALLOY STEM

12 SPEEDS

DIACOMPE BRAKES

SHIMANO SHIFTER

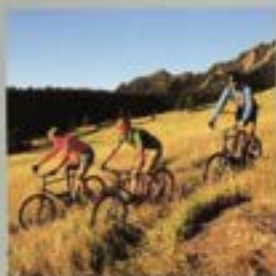
SPECIAL STEEL TUBES



ATB

ATB

If you're considering an ATB for the first time, you instantly realize these are unlike any bicycles you've ever known. They're a conspicuously American hybrid of the fat-tire/coaster-brake era and trick bikes with the genetic imprint of European road racing and touring machines. The result is a tough new breed of Miyata bicycle that can race up walls, climb trees and escape yawning potholes unscathed. Miyata ATBs are designed for mastery in muscle motocross or for survival in the asphalt jungle. And built to give you the confidence to take on either.



COMPETITION

MIYATA'S EXCLUSIVE WELDING PROCESS

OVERSIZE ALUMINUM TUBES

QUICK-RELEASE SEAT PIN

CASSETTE CLUSTER

SHIMANO NEW DEGRE XT

BIDPACE CHAIN RINGS





SKY RUNNER

The ultimate off-road advantage. Shock-absorbing aluminum that allows you to go over what most all-terrains must go around. Lightweight aluminum that allows you to climb in gears that used to take you down. The Sky is Miyata's exclusive aluminum technology that gives you the reassurance of a rugged welded frame with the precise alignment other builders have sacrificed to the torch. Matched with a Deore XT component group, this charger is ready to take you to the greatest adventures in the realm. **Color:** White.
Frame Sizes: 17 $\frac{1}{2}$, 19 $\frac{1}{2}$, 21, 23 inches.
Speeds: 18.

CHROMOLY FORK

QUICK-RELEASE HUBS



RIDGE RUNNER TEAM

This is the same competition ATB we put under our racing teams. It's spine, triple-butted upsized chromoly tubing set in geometry to meet any challenge: short chain stays keep your weight back for extra traction, a steep seat tube puts you directly over the crank to maximize your power stroke, and a 71° head angle keeps the Team extremely agile at slow speeds. Shimano Deore XT components with SIS and Biopace will help you get as aggressive as you dare. **Color:** Team Blue/White.
Sizes: 17 $\frac{1}{2}$, 19 $\frac{1}{2}$, 21, 23 inches. **Speeds:** 18.

STB CHROMOLY FRAME

QUICK-RELEASE SEAT PIN

SHIMANO NEW DEORE XT

PUMP PEG

SIS SHIFTER





TERRA RUNNER

This bicycle will dust a lot of challengers who underrate all the advantages Terra gives you. Full chromoly frame and fork, spline, triple-butted tubes. Frisky geometry as steep as the top competition bikes. Combine this intelligent frame with precision Shimano Deore components and aggressive fat tires and you'll be in front for a long, long time. **Color:** Metallic Smoke. **Sizes:** 17 $\frac{1}{2}$, 19 $\frac{1}{2}$, 21, 23 inches. **Speeds:** 18.



6-SPEED CASSETTE CLUSTER

NITTO ALLOY STEM

DEORE SIS SHIFTER

CHAIN STAY PROTECTOR

STB CHROMOLY FRAME

BIOPACE



CHROMOLY FORK

STB CHROMOLY FRAME

QUICK-RELEASE SEAT PIN

QUICK-RELEASE HUBS

CYCLOID CHAIN RINGS

TRAIL RUNNER

A true climber, born and bred of Miyata's entire family of incredibly strong yet light and responsive ATBs. The frame and fork are full chromoly steel with spline, triple-butted main tubes. Forget missed shifts and grinding gears with Sun Tour XCD 6000 Accushift. The Cycloid power advantage crankset and DiaCompe cantilever U-brake are all part of the Trail's standard high-performance extras. **Color:** Absolute Blue. **Sizes:** 17 $\frac{1}{2}$, 19 $\frac{1}{2}$, 21, 23" inches. **Speeds:** 18.



ACCUSHIFT

CANTILEVER BRAKES

CHROMOLY FORK



VALLEY RUNNER

Downhill bombing. Fat-tire flying. Whatever you call it, this one's ready. Miyata has merged a spline, triple-butted chromoly frame with Shimano's latest matched component group, Exage Mountain. Finished in a lustrous metallic gray, the new system features front and rear SIS shifters, triple, Biopace crank set, chainstay mounted U-brake and more. A 24-inch wheel model will give short riders the right fit to keep them from having to play in traffic, too. **Colors:** Bright Blue, Starlight Black. **Sizes:** 16", 17 $\frac{1}{2}$, 19 $\frac{1}{2}$, 21, 23, 25, 21, 23, 25, 17 $\frac{1}{2}$ (L), 20 (L) inches. **Speeds:** 18.

ATB



SHIMANO EXAGE MOUNTAIN COMPONENTS



FRONT AND REAR SIS SHIFTERS

STD CHROMOLY FRAME

QUICK-RELEASE SEAT PIN

CHROMOLY FORK

TANGE SEALED HEAD SET

BIOPACE



Miyata

PATH RUNNER

The balloon-tire bicycle: a purely American concept redefined — and refined in Path Runner. Here is a tough chromoly frame ready to take on curbs and crowds or sticks and stones. Agile geometry matched with Shimano's new touring SIS shifters and Shimano's new turing SIS shifters and triple Biopace crankset. Other standard features include quick-release front wheel and seat pin.

Colors: Sundance Yellow/Black, Sea Green, Black Chrome Plated. **Sizes:** 17, 19½, 21, 23, 17 (L) inches. **Speeds:** 18.



AtB



QUICK-RELEASE SEAT PIN

SHIMANO EXAGE TRAIL COMPONENTS

CHROMOLY DOUBLE BUTTED FRAME

CANTILEVER BRAKES

ARAYA RIMS

LONG-SIZE GRIPS

CHROMOLY FORK



QUICK-RELEASE SEAT PIN

CHAIN STAY PROTECTOR

CHROMOLY FRAME

SHIMANO DERAILLEURS

STREET RUNNER
A bicycle that gives new meaning to the phrase "street smart." A dependable Miyata frame and fork, combined with equally dependable Shimano components. Quick-release front wheel helps you get in your car and out of town or out of the traffic and into your elevator. Don't even consider a skinny-tire lightweight when this city tough is so affordably priced. **Colors:** Absolute Blue/White, Fire Red. **Sizes:** 17½, 19½, 21, 23, 17 (L), 19½ (L) inches. **Speeds:** 18.



CITY RUNNER
 Utility, all-terrain bicycle that has something for everyone. This urbanite is just as comfortable in the boonies as on the boulevards. Entry level, fat-tire fun has no better value than City Runner. Features include tough, special steel frame, dependable Shimano drive train and powerful cantilever brakes. **Colors:** Black/White, Bone White. **Sizes:** 19 $\frac{1}{2}$, 21, 23, 17 (L) inches. **Speeds:** 12.



QUICK-RELEASE FRONT WHEEL



VELD SADDLE

SHIMANO DERAILLEURS

SHIMANO 6-SPEED CLUSTER

CANTILEVER ALLOY BRAKES

CHAIN STAY PROTECTOR



TOURING

Getting there is all the fun on Miyata's classic touring bicycles. Our Luxe Touring 1000 lets you ride comfortably and efficiently hour after hour. Mile after mile. Year after year. We pioneered specific-geometry design series. As a result, these bicycles have been refined to create perfect balance between cyclist and cycle. They give you a long wheelbase to flatten out rough roads, and a shallow head-tube angle for stability, without sacrificing responsiveness. Today, you can get all the confidence you need to tour the next century.



1000

All the weight we've engineered out of this bicycle can go right into your panniers. And you still won't experience a frame failure — we guarantee it. This is a full chromoly frame and fork of our strongest spline, triple-butted tubing joined with investment-cast lugs. The components are equal confidence builders: Shimano New Deore with SIS and Biopace; sealed head, hubs, pedals and crank; alloy rack; radial tires; 40-spoke rear wheel; and more, more, more! Easily, this is one of the world's finest touring machines. **Color:** Sterling Black. **Sizes:** 50, 54, 57, 60, 63 cm. **Speeds:** 18.



CHROMOLY FORK



RADIAL TIRES



615

A long-distance runner with the quickness of a sprinter, Miyata has effectively designed a sport bicycle handling into a durable touring machine. It's the perfect choice for cyclists who want to do spirited daily workouts between long weekend rides. A small-front-wheel version makes long rides long on comfort for short cyclists, too. The 615 features a spline, triple-butted chromoly frame and SIS. **Color:** Burgundy. **Sizes:** 46 (small front wheel), 50, 54, 57, 60, 63 cm. **Speeds:** 18.



ALLOY CARRIER

STB FRAME

TANGE SEALED HEAD SET

QUICK-RELEASE HUBS

BIOPACE

RADIAL TIRES





UNICYCLES

Ready for a new cycling experience? Take a test ride on a Miyata unicycle, the choice of champions, professionals — whole families. For a real high, ride our new Giraffe model. **Miyata Series**, available in four frame sizes. **Color:** Blue.

The Miyata DX series features cottler-less alloy cranks. Comfortable nylon saddle and tough BMX alloy rim. **Miyata DX**, available in two sizes. **Color:** Chrome plated.



TRAINER

New design is a Miyata exclusive. It quickly adjusts to any wheel base and unlike most trainers, the bicycle's front wheel stays on with this one so frame stress is virtually eliminated. An interchangeable cassette provides quick conversion from wind to mag turbo unit. Folds up for easy transport and storage.





BALD

There's no argument that bald tires give the least rolling resistance possible. And ours do it whether the weather's wet or dry. The siping tread channels water away from the contact surface and with Kevlar belts you have the fastest, surest tires rolling.

Clincher and tubular: Technova Siping, Extralights Siping, Super Slicks. 700 x 20, 700 x 25, 27 x 1 1/2, 100 psi.

TOURING

Dual-hard treads to increase cornering stability. Generous cord count in the nylon belts for extra long life. Constructed for high-pressure, low-rolling resistance. Smooth and quiet, built for the long, long road.

Dual-hard tread, 27 x 1 1/2, 100 psi.

ATB

Built to withstand more punishment than you can. We offer a tire design for every ATB application: Full knobby fat trax with narrow tread design for more responsive handling. IbeX center-ridge city tires for a smooth ride that quietly disguises its country cousin's tolerance for abuse.

Knobby tires, 2 tread designs, 26 x 2.02, SSW, 50 psi. IbeX center-ridge, 2 tread designs, 26 x 1.625, SSW, 50 psi.

SPORT

Great value. You'll get a lot of quality for a moderate price with our multipurpose sport tires.

GSW, 27 x 1 1/2, 27 x 1 1/2, 90 psi.

RADIAL

Finally, touring tires with the high comfort of low-pressure tires and the low resistance of high-pressure tires. Our dual hard tread design gives you both. 80 lbs. of pressure that rides like longer tire life, longer tube life, and more puncture resistance.

Dual-hard tread, 27 x 1 1/2, 700 x 32, SSW, 80 psi.

G SPORT

Excellent stability in corners. Low rolling resistance. Nylon-belted for wearability. These tires are designed to meet a wide variety of needs. Quickness for your workouts. Comfort for your long club rides.

Dual-hard tread, SSW, 27 x 1 1/2, 700 x 28, 700 x 25, 100 psi.



AIR BOTTLES



WATER BOTTLES



BOTTLE CAGES



T-SHIRTS



CYCLING CAPS



COMPONENT GROUPS



REPLACEMENT COMPONENTS





8-PANEL LYCRA CYCLING SHORTS

ACCESSORIES

Miyata offers a broad range of accessories to complement your Miyata bicycle for your enviable appearance. With the availability of our attractive clothing there's no need to limit pride of ownership to a down-tube decal.



COTTON GOLF SHIRTS



SWEATSHIRTS

MECHANIC'S APRON



RACING JERSEYS

CARBON TECH 5000

FRAME MATERIALS: Amorphous metal reinforced carbon fiber main tubes, carbon fiber seat and chain stays. Miyata alloy forged ends, investment-cast aluminum lugs. **FRONT FORK:** Miyata one-piece bulb-drawn aluminum, Cr-Mo stem. **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 **PARTS:** AH seat pin, rear-end adjusting screws, AH bolts on bottle basements. **COLOR:** Burgundy. **BRAZED-ONS:** Campagnolo-style shifter basements on down tube. Bottle basements on down tube and seat tube. Cable guides on down tube and seat tube. Cable guides on bottom-brackets shell. Brake basements on rear bridge.



TEAM

FRAME MATERIALS: Cr-Mo triple butted splined tubing, Cr-Mo seat and chain stays. Miyata investment-cast lugs. Shimano EF ends. **FRONT FORK:** Cr-Mo spline tubing, cast crown. 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 **PARTS:** AH Seat pin, Rear end adjusting screws, AH bolts on bottle basements. **COLORS:** Team Blue, Team Blue/White, White/Red. **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. Air-bottle basement on down tube.



CARBON TECH 1000

FRAME MATERIALS: Carbon fiber main tubes. Miyata aluminum seat and chain stays. Investment-cast aluminum lugs. Miyata alloy forged ends. **FRONT FORK:** Miyata one-piece Bulb-drawn aluminum, Cr-Mo stem. **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 **PARTS:** AH seat pin, Rear-end adjusting screws, AH bolts on bottle basements. **COLOR:** Natural Gray. **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.

912

FRAME MATERIALS: Cr-Mo triple butted splined tubing, Cr-Mo seat and chain stays. Miyata investment-cast lugs. HB forged end. **FRONT FORK:** Cr-Mo spline tubing, 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 **PARTS:** AH Seat pin. Rear end adjusting screws. AH bolts on bottle basement. **COLOR:** Sterling Black/Blue. **BRAZED-ONS:** Campagnolo style shifter basements on down tube. Bottle basements on down tube and seat tube. Air-bottle basement on down tube. Cable guides on bottom bracket shell. Chain hook on seat stay.



SKY

FRAME MATERIALS: Miyata special aluminum tubing — Alumitech. TIG welded. **FRONT FORK:** Unicrown full chromoly. TFR 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 **PARTS:** AH bolts on bottle basements. **COLOR:** White. **BRAZED-ONS:** Cantilever brake bosses. Bottle basements on seat tube and down tube. Cable guide on bottom bracket shell. Brake basement, under chain stay.



1000 LT

FRAME MATERIALS: Cr-Mo triple butted splined tubing, Cr-Mo seat and chain stays. Miyata investment-cast lugs. Forged 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 bottle basements. **COLOR:** Steel-Blue/Silver. **BRAZED-ONS:** Two sets of bottle basements on down tube. One set of bottle basements on seat tube. Cable guide 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. Chain guard.



RIDGE

FRAME MATERIALS: Cr-Mo triple butted splined tubing, Cr-Mo seat and chain stays. Shimano SF-22 ends. Fully lugged frame. **FRONT FORK:** Unicrown, full chromoly. TF 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 **PARTS:** AH bolts on bottle basement and rack mounts. **COLOR:** Team Blue/White. **BRAZED-ONS:** Cantilever brake bosses. Bottle basements on down tube and seat tube. Cable guide on bottom bracket shell. Brake basement under chain stay, carrier bracket on seat stay. Fender bosses. Pump peg.



	CARBON FIBER		RACING / COMPETITION / FITNESS							SPORTS	
MODEL	CARBON TECH 5000	CARBON TECH 1000	TEAM MIYATA	1200	912	712	512	312	112	110	
FRAME SIZES	50,54,56,58,60,63	50,54,56,58,60,63	50,52,54,56,58,60,63	50,54,56,58,60,63	50,54,56,58,60,63	50,54,56,58,60,63	46 (small front wheel), 50,54,56,58,60,63	50,54,56,58,60,63	19 1/2", 21", 23", 25"	19 1/2", 21", 23", 25" 20" M	
FRAME MATERIALS	Super Carbon Fiber Frame, Amorphous metal reinforced tubes, Inv. cast aluminum lugs, Alloy ends	Carbon Fiber main-tubes, Inv. cast aluminum lugs, polished head & seat lugs, aluminum seat & chain stays, Alloy ends	Cr-Mo Spine triple Butted, Inv. cast seat lug, Cr-Mo seat & chain stays, Cable through top tube, SHIMANO EF ends	Cr-Mo Spine triple Butted, Inv. cast seat lug, Cr-Mo seat & chain stays, Cable through top tube, H.B.S. ends	Cr-Mo Spine triple Butted, Inv. cast seat lug, Cr-Mo seat & chain stays, Cable through top tube, H.B.S. ends	Cr-Mo Spine triple Butted, Inv. cast seat lug, Cr-Mo seat & chain stays, Cable through top tube, H.B.S. ends	Cr-Mo Spine triple Butted, FUK seat lug Cable through top tube, H.B.S. ends	Cr-Mo Spine triple Butted, Cable through top tube, MYT GT ends	Cr-Mo main-tubes MYT GT ends	Special steel-tubes Forged ends	
FRONT FORK	Bulb-drawn Aluminum	Bulb-drawn Aluminum	MC-5 forged crown Cr-Mo Spine UF ends	MC-5 forged crown Cr-Mo Spine TF ends	AC-8 crown Cr-Mo Spine TF ends	AC-8 crown Cr-Mo Spine TF ends	#525 Crown MangaligM TF ends	#525 Crown MangaligM TF ends	Hi-Tension TF ends	Hi-Tension w/79 Sloping Forged ends	
HEAD SET	SHIMANO New Dura Ace Sealed	TANGE CD Sealed Black	SHIMANO New Dura Ace Sealed	SHIMANO Sante Sealed	SHIMANO 600 Ultegra Sealed	TANGE CD Sealed Black	TANGE ME-SII Sealed	TANGE ME-SII Sealed	TANGE Sport	YST #66-3	
DERAILLEURS	SHIMANO New Dura Ace 7 speed SIS FD Brazed on	SHIMANO New 105 SIS FD Brazed on	SHIMANO New Dura Ace 7 speed SIS FD Brazed on	SHIMANO Sante SIS	SHIMANO 600 Ultegra SIS	SHIMANO New 105 SIS	SHIMANO FD-2206 RD-1525 SL-5434 SIS	SHIMANO A-350 SIS	SHIMANO FD-2302 RD-1541 SL-5434 SIS	SHIMANO FD-AX-50 RD-1541 SL-5434 SIS	
CHAIN	SHIMANO Dura Ace Narrow type	SHIMANO 600 UG Silver/Black	SHIMANO Dura Ace Narrow type	SHIMANO 600 UG Narrow type	SHIMANO 600 UG Narrow type	SHIMANO 600 UG Silver/Black	SHIMANO UG Black	SHIMANO UG Black	SHIMANO UG Black	UG Black	
CLUSTER	SHIMANO New Dura Ace 7 speed (12,13,14,15,16,18,21T)	SHIMANO Z-012 silver 6 speed (13,14,15,17,20,24T)	SHIMANO New Dura Ace 7 speed (12,13,14,15,16,18,21T)	SHIMANO Sante 7 speed Cassette (12,13,14,15,17,19,22T)	SHIMANO 600 Ultegra 7 speed Cassette (12,13,14,15,17,19,22T)	SHIMANO Z-012 Silver 6 speed (13,14,15,17,20,24T)	SHIMANO Z-012 Brown 6 speed (14,16,18,21,24,28T)	SHIMANO Z-012 Brown 6 speed (14,16,18,21,24,28T)	SHIMANO Z-012 Brown 6 speed (14, 16, 18, 21, 24, 28T)	SHIMANO Z-012 Brown 6 speed (14,16,18,21,24,28T)	
CRANK SET	SHIMANO New Dura Ace 53/42 w/BB-7400	SHIMANO New 105 Bio-Pace 52/42 w/BB-1050	SHIMANO New Dura Ace 53/42 w/BB-7400	SHIMANO Sante Bio-Pace 52/42 w/BB-5000	SHIMANO 600 Ultegra Bio-Pace 52/42 w/BB-6400	SHIMANO New 105 Bio-Pace 52/42 w/BB-1050	SHIMANO FC-B126 Bio-Pace 52/42 w/Range FRS Sealed	SHIMANO A-350 Bio-Pace Steel rings 52/42 w/BB-A350	SR SUC-310 52/42 Steel Rings	SR SAC-310 52/42 Steel Rings	
PEDALS	SHIMANO New Dura Ace Look type PD-7401 w/Toe clips	SHIMANO New 105 w/Toe clips	SHIMANO New Dura Ace Look type PD-7401 w/Toe clips	SHIMANO 600 Ultegra w/Toe clips	SHIMANO 600 Ultegra w/Toe clips	SHIMANO New 105 w/Toe clips	MKS AR-8 Alloy	MKS AR-8 Alloy	MKS PB-300	HTI #824 Steel	
TIRES	Option	MIYATA TECHNO 700x20C SSW	Option	MIYATA TECHNO 700x20C SSW	MIYATA TECHNO 700x20C SSW	MIYATA TECHNO 700x20C SSW	MIYATA TECHNO 700x25C SSW	MIYATA 700x25C SSW No. 7 Thread	MIYATA 27x1-1/8 SSW No. 11 Thread	27x1-1/8 SSW	
RIMS	WOLBER Aubisque 400g	WOLBER Alpina 700C S.H.A.	WOLBER Aubisque 400g	WOLBER Alpina 700C S.H.A.	WOLBER Alpina 700C S.H.A.	WOLBER Alpina 700C S.H.A.	WOLBER GTA 700C Silver	ARAYA SS45 700C Silver	ARAYA SP-30 27x1-1/4 Silver	ARAYA SP-20 Alloy Silver	
BRAKE SET	SHIMANO New Dura Ace w/Aero levers	SHIMANO New 105 w/Aero levers	SHIMANO New Dura Ace w/Aero levers	SHIMANO Sante w/Aero levers	SHIMANO 600 Ultegra w/Aero levers	SHIMANO New 105 w/Aero levers	SHIMANO L-490 w/L-331 Aero levers	DIA-COMPE Q-400W w/AC-260 Alpha Aero levers	SHIMANO BR-2570 w/Z3259Q levers	DIACOMPE TDC-505 w/AC-260 Alpha Aero levers	
HUBS	SHIMANO New Dura Ace	SHIMANO New 105	SHIMANO New Dura Ace	SHIMANO Sante	SHIMANO 600 Ultegra	SHIMANO New 105	SANSIN CE-60 Sealed (F&R: Q/R)	SANSIN CE-60 (F&R: Q/R)	SANSIN CE-60 (F&R: Q/R)	Alloy (F&R: Q/R) w/Retention Snap	
SPOKES	Stainless #14/15 DB	Stainless #14	Stainless #14/15 DB	Stainless #14	Stainless #14	Stainless #14	Stainless #14	#14	#14	#14	
SADDLE	SELLE ITALIA TURBO	SELLE ITALIA MUNDIALITA SP Leather	SELLE ITALIA TURBO	SELLE ITALIA TURBO	SELLE ITALIA MUNDIALITA SP Leather	SELLE ITALIA MUNDIALITA SP Vinyl	SELLE ITALIA MUNDIALITA SP Vinyl	SELLE ROYAL FUTURA Vinyl	SELLE ROYAL Anatomic Vinyl	VELO VL-271 Vinyl	
SEAT PILLAR	SHIMANO Dura Ace EX 200L	STRONG NS-3 230L	SHIMANO Dura Ace EX 200L	STRONG NS-3 230L	STRONG NS-3 230L	STRONG NS-3 230L	STRONG NS-3C 230L	SR SRE-105 200L	MORI Stainless Finish	Steel 200L	
HANDLE BAR	NITTO Mod. 55F Alloy	KUSURU WP-B Alloy	NITTO Mod. 55F Alloy	NITTO B-105F Alloy	KUSURU WP-B Alloy	KUSURU WP-B Alloy	SR CTB Alloy	SR CTSD	SR CTSD	Steel Alloy Center	
HANDLE STEM	NITTO NTC-A Black	KUSURU Win Sigma Black	NITTO NTC-A Black	NITTO Young-II	KUSURU Win Sigma Black	KUSURU Win Sigma Black	SR Custom	SR Custom	SR Custom	Alloy	
BAR TAPES	Cushion tape	Cushion tape	Cushion tape	Cushion tape	Cushion tape	Cushion tape	Cushion tape	Cushion tape	Cushion tape	Cushion tape	
EXTRAS		Toe straps	Air-bottle basement on down tube	Toe straps Air-bottle basement on down tube	Toe straps Air-bottle basement on down tube	Toe straps Air-bottle basement on down tube	Toe clips & straps	Bottle basement	Bottle basement	Bottle basement	
WEIGHT	18.5 lbs.	19.5 lbs.	21.5 lbs.	22.5 lbs.	23.5 lbs.	23.5 lbs.	24 lbs.	25 lbs.	26.5 lbs.	28.5 lbs.	
COLORS	Burgundy	Natural	Team Blue/ White	Metallic Smoke/ Silver	Sterling Black/ Blue	White/Red, Black/Peacock	Absolute Blue/ White, White Small-front-wheel Model, Glacier Blue	Peacock/White, Starlight Black	Absolute Blue/White White/Black	Dark Platinum/Red Bright Blue/White Champagne Pink (M only)	

	ATB								TOURING	
90	SKY RUNNER	RIDGE RUNNER	TERRA RUNNER	TRAIL RUNNER	VALLEY RUNNER	PATH RUNNER	STREET RUNNER	CITY RUNNER	1000	615
17", 19", 21", 23", 25", 17"M, 20"M	17", 19", 21", 23"	17", 19", 21", 23"	17", 19", 21", 23"	17", 19", 21", 23"	16", 17", 19", 21", 23", 25", 17"L, 20"L	17", 19", 21", 23", 17"L	17", 19", 21", 23", 17", 19"L	19", 21", 23", 17"L	50, 54, 57, 60, 63	45 (small front wheel), 50, 54, 57, 60, 63
Special steel-tubes	Aluminum, Upper bridge w/holes, Alloy ends	Cr-Mo Spine Triple Butted, Cr-Mo seat & chain stays, SF-22 ends	Cr-Mo Spine Triple Butted, H.B.W ends	Cr-Mo Spine Triple Butted, H.B.W ends	Cr-Mo Spine Triple Butted, H.B.W ends	Cr-Mo Double Butted, Cr-Mo seat & chain stays, Forged ends	Cr-Mo Fast-back seat stays, Forged ends	Special steel-tubes Fast back seat stays, Pressed ends	Cr-Mo Spine Triple Butted, Inv. Cast seat lug, Cr-Mo Seat & chain stays, H.B.W ends	Cr-Mo Spine Triple Butted, MYT-GT ends
H-tension Pressed Crown	Cr-Mo TF-R ends & 28.6 blades	TANGE Unicrown Cr-Mo TF ends	Cr-Mo TL ends	Cr-Mo TL ends	Cr-Mo TL ends	Cr-Mo Forged ends	Cr-Mo Semi-forged ends	H-tension Semi-forged ends	MC-3 Crown Cr-Mo Spine TL ends	#525 Crown Mangalight TL ends
YST #56-3	SHIMANO New Deore XT	SHIMANO New Deore XT	TANGE ME-SII Sealed w/MYT Alloy Cable hanger	TANGE ME-SII Sealed	TANGE ME-SII Sealed	YST #8002GW Sealed	YST #8201	YST #8201	TANGE CD Sealed Black w/MYT Alloy cable hanger	TANGE ME-SII Sealed w/MYT Alloy cable hanger
SHIMANO FD-AX50 RD-TY10 SL-QS-10 Stem Shifter	SHIMANO New Deore XT SIS	SHIMANO New Deore XT SIS	SHIMANO New Deore SIS	SUNTOUR XCD 6000 Accushift	SHIMANO Exage Mountain SIS	SHIMANO Exage Trail SIS	SHIMANO FD-AX55 RD-L541 SL-MS41 SIS	SHIMANO FD-Z204GS RD-TY10 SL-M730	SHIMANO New Deore w/S434 SIS	SHIMANO FD-Z204GS RD-MS31 w/S434 SIS
Black	SHIMANO 600UG Silver/Black	SHIMANO 600UG Silver/Black	SHIMANO 600UG Silver/Black	SUNTOUR Z Brown	SHIMANO UG Black	UG Black	UG Black	Black	SHIMANO 600UG Silver/Black	SHIMANO UG Black
SHIMANO UG 5 speed (14, 17, 20, 24, 28T)	SHIMANO New Deore XT 6 speed Silver Cassette (13, 15, 18, 21, 25, 30T)	SHIMANO New Deore XT 6 speed Silver Cassette (13, 15, 18, 21, 25, 30T)	SHIMANO New Deore 6 speed Cassette (14, 16, 18, 21, 25, 30T)	SUNTOUR Alpha Brown 6 speed (14, 16, 18, 21, 25, 30T)	SHIMANO Z-012 Brown 6 speed (14, 16, 18, 21, 25, 30T)	SHIMANO Z-012 Brown 6 speed (14, 16, 18, 21, 24, 28T)	SHIMANO Z-012 Brown 6 speed (14, 16, 18, 21, 24, 28T)	SHIMANO UG 6 speed (13, 15, 17, 20, 24, 28T)	SHIMANO Z-012 Silver 6 speed (13, 15, 17, 20, 24, 28T)	SHIMANO Z-012 Brown 6 speed (14, 16, 18, 21, 24, 28T)
SAILOR DZFA-IE S2/42 Steel Rings	SHIMANO New Deore XT Bio-Pace 48/38/28 Black Rings w/BB-M730	SHIMANO New Deore XT Bio-Pace 48/38/28 Black Rings w/BB-M730	SHIMANO New Deore Bio-Pace 48/38/28 w/BB-MT60	SUNTOUR XCD 6000 Cycloid 48/38/28 w/Tange FR-S Sealed	SHIMANO Exage Mountain Bio-Pace 48/38/28 w/BB-M450	SHIMANO Exage Trail Bio-Pace 48/38/28 Steel Rings	SR SXC-310 48/38/28 Steel Rings	SUGINO DZFA-IE 48/40 Steel Rings	SHIMANO New Deore Bio-Pace 48/38/28 w/BB-MT60	SHIMANO FC-B124 Bio-Pace 48/38/28 w/Tange FR-S Sealed
HTI #824 Steel	SHIMANO New Deore XT Racing type PD-M731	SHIMANO New Deore XT Racing type PD-M731	SHIMANO New Deore	MKS MF-LITE	MKS G-6000	SHIMANO Exage Trail	VICTOR VP-767	VICTOR VP-767	SR SP-155 Sealed	SR SP-155
27x1-1/4 GSW	MYATA IBEX-2 26x2.00 SSW	MYATA IBEX-2 26x2.00 SSW	MYATA IBEX 26x2.00 SSW	MYATA IBEX 26x2.00 SSW	MYATA RIDGELINE-3 26x1.625 SSW	26x1.62 SSW	26x1.62 GSW	26x1.62 GSW	MYATA Radial 700x32C SSW	MYATA Radial 700x32C SSW
CMC 27x1-1/4 Steel	ARAYA RM-20 26x1.75 Black	ARAYA RM-20 26x1.75 Black	ARAYA RM-20 26x1.75 Silver	ARAYA 75 26x1.5 Black/Silver	ARAYA MP-22 26x1.5 Silver	ARAYA MP-22 26x1.5 Silver	ARAYA MP-22 26x1.5 Silver	ARAYA MP-22 26x1.5 Silver	UKAI LA-14 700C 38H/40H Black/Silver	ARAYA Mod-18 700C 38H/40H
DIACOMPE TDC-505 w/TDC-205 Dual levers	SHIMANO New Deore XT (F) BR-M730 cantilever (R) BR-M731 U-Brake w/BL-M730 levers	SHIMANO New Deore XT (F) BR-M730 cantilever (R) BR-M731 U-Brake w/BL-M730 levers	SHIMANO New Deore (F) BR-MT60 cantilever (R) BR-MT61 U-Brake w/BL-MT60 levers	DIACOMPE (F) DC-983D cantilever (R) AD-990 U-Brake black w/AD-290 levers	SHIMANO Exage Mountain (F) BR-M450 cantilever (R) BR-M451 U-Brake w/BL-M450 levers	SHIMANO Exage Trail (F) BR-M250 cantilever (R) BR-M451 U-Brake w/BL-M350 levers	C-STAR #880A Alloy cantilever w/#380A Alloy levers	C-STAR #881A Alloy cantilever w/#380A Alloy levers	SHIMANO New Deore w/Z325B0 levers	DIACOMPE DC-983D w/2040C levers
#105 x #106 Steel w/Retention Snap	SHIMANO New Deore XT (F&R: Q/R)	SHIMANO New Deore XT (F&R: Q/R)	SHIMANO Deore (F&R: Q/R)	SANSIN RE-60 Sealed (F&R: Q/R)	SANSIN CE-60 Sealed (F/Q/R) (R) Nut w/Retention Snap	Alloy Sealed (F/Q/R) (R) Nut w/Retention Snap	(F) Alloy Q/R (R) Steel Nut w/Retention Snap	Steel (F&R: Nut)	SANSIN RE-40 Sealed (F&R: Q/R)	SANSIN RE-60 Sealed (F&R: Q/R)
#14	Stainless #14/15 DB	Stainless #14/15 DB	Stainless #14	Stainless #14	Stainless #14	#14	#14	#14	Stainless #14	#14
VELO VL-147 Vinyl	SELLE ITALIA TURBO	SELLE ITALIA TURBO	SELLE ROYAL MOUNTAINEER Leather	SELLE ROYAL MOUNTAINEER Vinyl	SELLE ROYAL MOUNTAINEER Vinyl	VELO VL-155 Vinyl	VELO VL-155 Vinyl	VELO VL-155 Vinyl	SELLE ROYAL Anatomic Leather	SELLE ROYAL Anatomic Vinyl
Steel 200L	STRONG PM-30 300L Hard Anodized	STRONG PM-30 300L Hard Anodized	STRONG NS-3 300L	STRONG NS-3C 300L	STRONG NS-3C 300L	Alloy 300L	Steel 320L	Steel 320L	STRONG NS-3 230L	SR SRE-105 200L
Steel CP	NITTO Butted type Black Alloy	NITTO Butted type Black Alloy	NITTO Butted type Black Alloy	SR MTB-219 Butted Black Alloy	SR MTB-319 Butted Steel Dull Finish	MTB-110 Butted type Steel Colored	Steel c/p	Steel c/p	KUSUKU WP-RB	KUSUKU WP-RB
Alloy	NITTO MF-548B Cr-Mo Black w/Pulley	NITTO MF-548B Cr-Mo Black w/Pulley	NITTO MF-6 Black Alloy	SR MTS-300 Black w/outer hole	SR R-115B MTS-300 Colored w/outer hole	MTS-110 Alloy Colored w/outer hole	Alloy Colored	Alloy Colored	KUSUKU Win Sigma Black	KUSUKU Win Sigma
Cushion tape	Long Size grips	Long Size grips	Long Size grips	Long Size grips	Long Size grips	FN-356 Long Size grips	FN-356S grips	FN-356S grips	Cushion Rubber grips	Cushion Rubber grips
Bottle basement	Deore XT, QR Seatpin, Toe clips & Straps, MYT Chain stay protector	Deore XT, QR Seatpin, Toe clips & Straps, MYT Chain stay protector	Q/R Seat Pin, MYT Chain stay protector	Q/R Seat Pin, MYT Chain stay protector	Q/R Seat Pin, MYT Chain stay protector	Q/R Seat Pin, Chain stay protector	Q/R Seat Pin, Chain stay protector	AH Seat Pin, Chain stay protector	Alloy carrier (Black), Toe clips & straps	Alloy carrier Toe clips & straps
29 lbs.	26" lbs.	28" lbs.	28" lbs.	29" lbs.	29" lbs.	30" lbs.	31 lbs.	31" lbs.	26" lbs.	27 lbs.
Fire Red, Metallic Smoke, Frosty Lilac (M only)	White	Team Blue/White	Metallic Smoke	Absolute Blue	Bright Blue, Starlight Black	Sundance Yellow/Black, Sea Green, Black Chrome Plated	Absolute Blue/White, Fire Red	Black/White, Bone White	Sterling Black	Burgundy



Frame Size	A Top tube	B Rear center	C Front center	D Wheel base	E BB height	F Off set	a Head angle	b Seat angle
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CARBON (CT-5000 & CT-1000)

SIZE	A	B	C	D	E	F	a	b
500 (m/m)	535	405	587	984	273	55	72°	73°
540 (m/m)	550	405	596	991	269	50	72°30'	73°30'
560 (m/m)	550	405	596	991	269	50	72°30'	73°30'
580 (m/m)	565	405	599	993	265	40	73°	74°
600 (m/m)	565	405	599	993	265	40	73°	74°
630 (m/m)	565	405	600	994	265	40	73°	74°

TEAM MIYATA

SIZE	A	B	C	D	E	F	a	b
500 (m/m)	520	408	592	991	273	55	70°30'	74°
520 (m/m)	520	408	592	991	270	55	70°30'	74°
540 (m/m)	540	408	593	991	268	50	72°	74°
560 (m/m)	550	408	594	992	266	50	75°	74°
580 (m/m)	550	408	595	992	266	50	73°	74°
600 (m/m)	560	408	600	997	268	45	73°	74°
630 (m/m)	570	408	600	998	266	40	73°30'	74°

1200, 912, 712

SIZE	A	B	C	D	E	F	a	b
500 (m/m)	520	408	592	991	271	55	70°30'	74°
540 (m/m)	540	408	593	991	266	50	72°	74°
560 (m/m)	550	408	594	992	264	50	73°	74°
580 (m/m)	550	408	595	992	264	50	73°	74°
600 (m/m)	560	408	600	997	264	45	73°	74°
630 (m/m)	570	408	600	997	264	40	73°30'	74°

512, 312

SIZE	A	B	C	D	E	F	a	b
500 (m/m)	530	415	585	990	265	55	71°15'	73°15'
540 (m/m)	540	415	588	993	265	55	72°15'	73°15'
560 (m/m)	550	415	594	1,000	269	50	72°	73°
580 (m/m)	550	415	597	1,003	273	50	72°	73°
600 (m/m)	560	415	599	1,005	271	45	72°30'	73°15'
630 (m/m)	570	415	598	1,002	264	45	73°45'	73°45'
460 (m/m)	485	415	552	967	269	45	73°30'	73°30'

112

SIZE	A	B	C	D	E	F	a	b
19½	545	425	593	1,013	292	60	72°24'	72°24'
21	545	425	590	1,005	277	60	72°	72°
23	565	425	609	1,025	279	60	72°	72°
25	575	425	620	1,035	274	60	72°30'	72°30'

SKY RUNNER

SIZE	A	B	C	D	E	F	a	b
17½	540	435	628	1,062	319	50	68°	72°
19½	560	435	630	1,064	313	50	71°	73°
21	580	435	650	1,084	307	50	71°	73°
23	600	435	672	1,106	308	50	71°	73°

RIDGE RUNNER TEAM

SIZE	A	B	C	D	E	F	a	b
17½	540	435	620	1,054	310	50	68°	70°30'
19½	560	435	631	1,064	300	50	70°15'	73°
21	580	435	645	1,078	300	50	71°	73°
23	600	435	665	1,097	295	50	71°	73°

TERRA RUNNER, TRAIL RUNNER

SIZE	A	B	C	D	E	F	a	b
17½	540	435	624	1,058	310	60	68°	70°
19½	560	435	632	1,066	305	60	71°	73°
21	580	435	639	1,071	290	50	71°	73°
23	600	435	654	1,085	285	50	71°30'	73°

VALLEY RUNNER

SIZE	A	B	C	D	E	F	a	b
16	520	435	605	1,040	320	60	68°	69°30'
17½	540	435	619	1,053	307	60	69°	71°
19½	560	435	622	1,056	306	50	71°	73°
21	580	435	644	1,077	306	50	71°	73°
23	600	435	661	1,093	291	50	71°	73°
25	600	435	659	1,088	276	50	71°	73°

1000

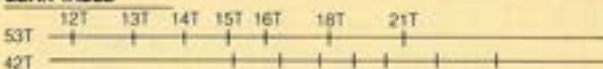
SIZE	A	B	C	D	E	F	a	b
500 (m/m)	535	445	594	1,034	292	65	71°30'	72°
540 (m/m)	550	445	601	1,037	279	65	72°	72°
570 (m/m)	565	445	615	1,052	279	65	72°	72°
600 (m/m)	580	445	629	1,065	279	65	72°	72°
630 (m/m)	580	445	629	1,065	279	65	72°	72°

615

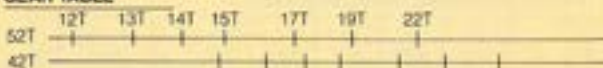
SIZE	A	B	C	D	E	F	a	b
500 (m/m)	545	445	592	1,030	285	60	72°	72°
540 (m/m)	545	445	588	1,024	274	60	72°30'	72°30'
570 (m/m)	565	445	610	1,047	279	60	72°	72°
600 (m/m)	575	445	619	1,055	275	60	72°45'	72°45'
630 (m/m)	575	445	619	1,055	273	60	73°	73°
460 (m/m)	485	445	549	993	281	45	70°	72°

CT-5000 TEAM

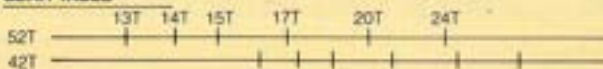
GEARING IN GEAR INCHES				WHEEL (INCH) 27			
FRONT 2 S	S-1	S-2	S-3	S-4	S-5	S-6	S-7
REAR 7 S	12	13	14	15	16	18	21
OUTER 53	119.3	110.1	102.2	95.4	89.4	79.5	68.1
INNER 42	94.5	87.2	81.0	75.6	70.9	63.0	54.0

GEAR TABLE**1200 912**

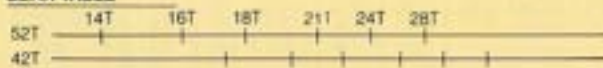
GEARING IN GEAR INCHES				WHEEL (INCH) 27			
FRONT 2 S	S-1	S-2	S-3	S-4	S-5	S-6	S-7
REAR 7 S	12	13	14	15	17	19	22
OUTER 52	117.0	108.0	100.3	93.6	82.6	73.9	63.8
INNER 42	94.5	87.2	81.0	75.6	66.7	59.7	51.5

GEAR TABLE**CT-1000 712**

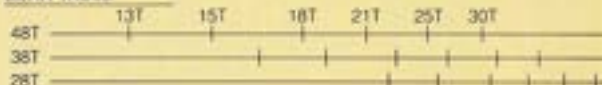
GEARING IN GEAR INCHES				WHEEL (INCH) 27			
FRONT 2 S	S-1	S-2	S-3	S-4	S-5	S-6	
REAR 6 S	13	14	15	17	20	24	
OUTER 52	108.0	100.3	93.6	82.6	70.2	58.5	
INNER 42	87.2	81.0	75.6	66.7	56.7	47.3	

GEAR TABLE**512 312 112**

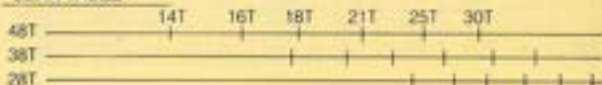
GEARING IN GEAR INCHES				WHEEL (INCH) 27			
FRONT 2 S	S-1	S-2	S-3	S-4	S-5	S-6	
REAR 6 S	14	16	18	21	24	28	
OUTER 52	100.3	87.8	78.0	66.9	58.5	50.1	
INNER 42	81.0	70.9	63.0	54.0	47.3	40.5	

GEAR TABLE**SKY RIDGE**

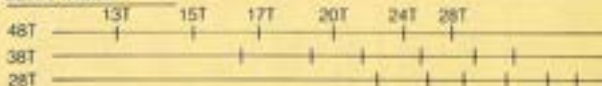
GEARING IN GEAR INCHES				WHEEL (INCH) 26			
FRONT 3 S	S-1	S-2	S-3	S-4	S-5	S-6	
REAR 6 S	13	15	18	21	25	30	
OUTER 48	96.0	83.2	69.3	59.4	49.9	41.6	
INNER 38	76.0	65.9	54.9	47.0	39.5	32.9	
INNER 28	56.0	48.5	40.4	34.7	29.1	24.3	

GEAR TABLE**TRR TRL VLY**

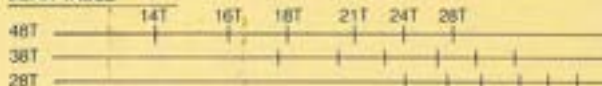
GEARING IN GEAR INCHES				WHEEL (INCH) 26			
FRONT 3 S	S-1	S-2	S-3	S-4	S-5	S-6	
REAR 6 S	14	16	18	21	25	30	
OUTER 48	89.1	78.0	69.3	59.4	49.9	41.6	
INNER 38	70.6	61.8	54.9	47.0	39.5	32.9	
INNER 28	52.0	45.5	40.4	34.7	29.1	24.3	

GEAR TABLE**1000**

GEARING IN GEAR INCHES				WHEEL (INCH) 27			
FRONT 3 S	S-1	S-2	S-3	S-4	S-5	S-6	
REAR 6 S	13	15	17	20	24	28	
OUTER 48	99.7	86.4	76.2	64.8	54.0	46.3	
INNER 38	78.9	68.4	60.4	51.3	42.8	36.6	
INNER 28	58.2	50.4	44.5	37.8	31.5	27.0	

GEAR TABLE**615**

GEARING IN GEAR INCHES				WHEEL (INCH) 27			
FRONT 3 S	S-1	S-2	S-3	S-4	S-5	S-6	
REAR 6 S	14	16	18	21	24	28	
OUTER 48	92.6	81.0	72.0	61.7	54.0	46.3	
INNER 38	73.3	64.1	57.0	48.9	42.8	36.6	
INNER 28	54.0	47.3	42.0	36.0	31.5	27.0	

GEAR TABLE

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

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 lifetime of the bicycle; warranty on carbon fiber and aluminum frames is limited to 3 years from date of purchase.
- 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

MIYATA BICYCLE OF AMERICA, INC.
2526 W. PRATT BLVD.
ELK GROVE VILLAGE, IL 60007

AUTHORIZED DEALER

