

CO-MOTION CYCLES 2005



CO-MOTION CYCLES



CO-MOTION CRAFTSMANSHIP

A pair of skilled hands turns the handles of a custom-made bottom-bracket facing tool. Nearby, the sound of a single strap of emery cloth polishing and gently shaping a brazed joint can be heard. To the left, the slow pulsing flash of a carefully controlled TIG welder. A few steps away, mill and lathe operators execute the precise cuts that make our custom-drawn butted tubing into the integral parts of a *Co-Motion* bicycle frame. Just beyond, skilled artisans carefully take turns preparing each frame for paint, or painting in multiple stages in our world-class downdraft booth.

Craftsmanship—it's a work ethic and a philosophy that's often touted but seldom adhered to elsewhere. Producing the finest bicycles in the world isn't about automation. We believe craftsmanship defines the personal connection between our bicycles and

ourselves. Our commitment to the hard work and to the details of making better bicycles is evident not only in our bicycles, but in the people who work here as well. A visit to *Co-Motion Cycles* illustrates our open and honest style. We take pride in what we do because we know we're doing it right.

You can see craftsmanship at work right here every day. From the way Bob Westman (1) brazes the dropouts on a new frame, to the finesse of Andrew Lillebridge's (2) TIG welding torch. The pride is evident in the care we take in each step of every bicycle's construction. Our paint technicians, Eric Dungey (3) and Mick Coleman (4) take a little extra time to do a flawless job that is unsurpassed in the industry. It takes more time to executive a perfectly mitered tube for every intersection on a *Co-Motion* frame, and Billy

Truelove (5) and Matt Goodban (6) demonstrate obvious dedication to that goal. When it comes to wielding a brazing torch, Ben Renich's (7) steady hand is beyond reproach.

We're not a bunch of faceless corporate clock-punchers—we ride to work, ride for fun, and we ride for competition. Here are Dan Vrijmoet, Dwan Shepard and Alan Cline (8) coming in on their morning commute. Alan Cline (9), sales manager/problem solver/storyteller, pauses on the sales floor. Dan Vrijmoet (10), co-owner and master machinist, makes a fixture to manufacture a time trial bike. Pat Waters (11) does the assembly on a bike, Elayne Goodban (12) sells bikes and works with the shop on scheduling, and Dick Stanton (13) makes keeping the numbers accurate seem easy.





Practical innovation

At *Co-Motion Cycles*, turning ideas into bicycles is more than just giving someone an order. The bicycles in this catalog are a reflection of the very practical way we do things. In fact, every one of our bicycles has evolved from our past experience—from the bicycles we ride ourselves to those we build for our customers. We began like many other framebuilders—building strictly custom bicycles. As time went on, we developed stock models based on what our customers were ordering. We tracked our fitting data, and paid attention when customers asked to change an angle here or there, or to accommodate a new component or innovation. Now, more than ever, we use customer input to influence how we'll continue to push the evolution of the bicycle.

We are a creative lot, and our bicycles have been noticed in publications worldwide since we founded our company in 1988. Check the archives on our website for articles about *Co-Motion* published over that last 17 years. You'll find a reputation for innovation early on that has only grown as

we've matured. As a result of our efforts, *Co-Motion Cycles* has emerged to become the standard by which all other tandem brands are judged. And we're working just as hard to build the same kind of reputation for our single bikes.

The *Co-Motion* tandem difference

Although we've long enjoyed a reputation for building tandems that simply handle better, our competitors have tried to label our bikes as "twitchy" or difficult to handle. Not so. Precision handling makes our tandems safer and easier to control. A slower handling bike might lull you into a false sense of security, but when it comes to avoiding obstacles, or executing a perfect mountain descent, no tandem will respond like a *Co-Motion*. Experienced cyclists will notice that they don't have to relearn bike handling, while new cyclists find that riding a *Co-Motion* tandem is easier than they ever imagined.

Is your *Co-Motion* tandem psychic?

Your *Co-Motion* tandem always seems to know exactly where you want to go because our handling geometry and fork

design doesn't require over-steering or overcompensation. We've optimized the road feel with our specially designed and hand-built tandem fork, which gives excellent fore-aft passive suspension while providing superb lateral rigidity.

Our *Co-Motion/WoundUp* carbon tandem fork, jointly designed and built by WoundUp Composites, enhances the ride for performance-minded cyclists. But better handling isn't just a formula. The entire frame, the tubing it's constructed with, the way you fit into the bike, and all its components work in harmony to make a *Co-Motion* handle better.

Relax. You're in control.

Better control means you can relax and enjoy the ride. Confidence in your bicycle will make you a better cyclist, whether you're a captain or stoker. When you know that your tandem will do exactly what you ask, you'll be able to relax your upper body, let your spine flex and respond as you ride, and loosen your grip on the handlebars. Because you'll expend less energy on control, you'll have more to invest in pedaling. It's no wonder a *Co-Motion* feels easier to ride.





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OFF-ROAD
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FAMILY
CRO-MOLY
ALUMINUM
STOKER
SOFRIDE
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SUITCASE
TRAVEL

MULTI-PERFORMANCE TANDEM



PRIMERA
Unbelievable performance at a very competitive price. Page 8.

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PRIMERA CO-PILOT
Our best value in a multi-performance travel tandem. Page 8.

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MOCHA
Outstanding versatility with 26" wheels. Your choice of road or off-road component packages. Page 9.

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MOCHA CO-PILOT
With S+S Couplers, the Mocha's versatility is unmatched. Page 9.

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SPEEDSTER
The benchmark for multi-performance tandems. Lightweight, nimble handling, air-hardening steel frame. Page 10.

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SPEEDSTER CO-PILOT
Our original Co-Pilot with S+S Couplers; the first ever tandem with coupler travel capability, and still the very best. Page 10.

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ROADSTER
The definitive aluminum multi-performance tandem. Unbeatable Co-Motion design and geometry. Page 11.

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CAPPUCCINO
The most popular Softride-equipped tandem anywhere. Unmatched stoker comfort with Co-Motion performance. Speedster with a beam. Page 12.

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CAPPUCCINO CO-PILOT
Combines the comfort and efficiency of the Cappuccino with S+S Coupler portability. Page 12.

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PERISCOPE 26
Incredible sizing range for family, friends, fun. Page 13.

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PERISCOPE 26 CO-PILOT
For the family that travels. Page 13.

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PERISCOPE 700
A sportier version of our incredibly adjustable Periscope concept. Page 14.

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PERISCOPE 700 CO-PILOT
S+S Couplers add suitcase portability. Page 14.

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PERISCOPE TRIDENT

Get your family together and ride. Page 15.



PERISCOPE TRIDENT CONVERTIBLE

Ride as a pair or as a trio, with amazing fit options for your family. Page 15.

RACING TANDEM



SUPREMO

Pushing performance barriers. The ultimate air-hardening steel race tandem with a dream component package. Page 16.



SUPREMO CO-PILOT

Optimum performance with airline checkable S+S portability. Page 16.



ROBUSTA

The pinnacle in lightweight performance. Built from ultralight Easton 7005 aluminum, this purebred racing beauty is the lightest tandem in production. No compromises in frame construction or component selection. Page 17.

SINGLE BICYCLES



NOR'WESTER

For centuries, touring, racing and commuting.... Finally, a bike that can do just about anything. Page 24.



NOR'WESTER CO-PILOT

Fly somewhere with your do-everything bike. Page 24.



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AMERICANO

The cross-continental touring bicycle; redefined. Page 25.



AMERICANO CO-PILOT

Tour the world with the toughest touring bicycle ever in suitcase-packable form. Page 25.



ESPRESSO

The finest steel road racing frame available. Beautifully crafted by expert hands. Page 26.



ESPRESSO CO-PILOT

A beautiful racing machine with S+S portability. Page 26.



RISTRETTO

What a road bike was always meant to be. Very light, very fast, and very well made. Easton 7500 Ultralight aluminum. Page 27.



CO-MOTION TT

Improve your chances against the clock with the ultimate weapon. Page 28.



STREAKER

Stripped to the bare essentials for winter training and commuting. Simplicity. Page 29.

CO-MOTION TANDEM FEATURES

Tubing

The tubing that your tandem is constructed from plays a huge part in the ride of the bike. *Co-Motion* tandem tubing is continually evolving to deliver a comfortable ride while possessing incredible lateral rigidity. Every tube, from the tapered S-bend chainstays to the double-butted downtube, is thoughtfully profiled for optimum tandem applications. Our continuous-length top and lateral tubes are butted at each intersection—at both ends as well as in the center section, an expensive and complex zonal-butting process.

We have continued to make tubing improvements for our 2005 tandems. Our *Speedster*, *Mocha*, *Supremo* and *Cappuccino* models use our improved tandem tubeset made from completely redesigned zonally-butted Cro-Moly tubing. Air-hardened tubing has considerably higher tensile strength and fatigue life, resulting in a lighter weight, stronger frame.

For our *Co-Pilot Option* S+S Coupler equipped bikes, we have updated the profile of the tubes to better support the installation of couplings. No other company has gone to the extremes we have to design the bicycle around the S+S Coupler to improve travel-ability. All of our tube designs are exclusive to *Co-Motion* and unavailable to other manufacturers.

Our *Roadster*, *Robusta* and custom aluminum tandems are made from select Easton 7005 tandem tubing. Easton has earned a reputation as the world's premier supplier of advanced technology aluminum bicycle tubing, and their tandem tubing is unbeatable. To create a better riding and more precisely constructed aluminum tandem, we use continuous large-diameter top and lateral tubes, rather than bulged or two-piece tubes. Our Easton 7005 tandem tubeset also features zonally-butted top and lateral tubes and double-butted profiles designed specifically for tandems, including our tandem-only tapered stays.

Beware of misleading information about butted tubing. Some tandem makers claim to be the only ones using butted tubing. If you count the number of wall-thickness zones, our tandem top and lateral tubes would be considered quint-butted. Interestingly, our tube profiles for this design are also asymmetrical, since the stoker and captain compartments are quite different. We use the term zonally-butted because it clearly defines the intention of bicycle tube design, which is to reinforce the tubing at each tube intersection, while lightening the less-stressed sections in between and improving the ride quality of the bicycle.



Finish Work

Nothing compares with a *Co-Motion* in the finish quality department. Perfect metalwork, precise machining, and impeccable detailing are expected on a *Co-Motion* bicycle, and we deliver. Ask any *Co-Motion* owner, or better yet, take a close look at the finer details of one of our bicycles for yourself.



Contoured Stays

For improved tire and heel clearance, our custom seatstays and chainstays are gracefully curved (at left).

Hub-Mounted Brake Options

Disk brakes have come a long way in recent years, and we've found the Avid mechanical disk (above left) to be an extremely reliable and outstandingly powerful option as an alternative to standard rim brakes. Many people prefer a disk brake because the brake's friction will not overheat rims in extreme conditions. When you select the disk brake option, we'll also include the standard mounts for the brake(s) your model normally includes.

The Arai drum brake (above right) is the only brake we recommend as a supplemental drag brake. An Arai drum brake can be fitted in addition to the standard rim brakes, and is an excellent choice for tandem touring, heavier couples, or mountainous terrain. As a third brake, the Arai drum allows excellent braking using the rim brakes, and good heat dissipation and speed control for long, difficult descents. The Arai drum brake is part of our touring package, or it can be ordered separately.

Wheels

Symmetrically constructed wheels assure a lifetime of solid performance. Our 145mm rear axle spacing is the standard of the tandem industry, allowing plenty of room for 9- or 10-speed wide-range cassettes, excellent chainline, and hub-mounted brakes.



Fillet Brazing

Beautifully executed craftsmanship. We have made a name for ourselves as some of the industry's finest craftspeople with our glass-smooth fillet brazing. If you would like to add the elegance of fine fillet brazing to your *Co-Motion*, we now offer this option on any of our Cro-Moly and air-hardening steel models.

Paint

Co-Motion is known for exceptionally beautiful paintwork. Our certified paint technicians complete a multi-stage, catalyzed process on each frame for a tough, long lasting finish. For a personalized look, you can choose from our paint colors on page 21, or from infinite alternative finish options.



Stoker Stem

Our lightweight standard aluminum adjustable stem allows for about 2.5cm of adjustability (above, top).

Our optional max-adjust stoker stem (above, bottom) provides more adjustment than any other type with a full 18cm of range.



Machined Head Tube

Lightweight, high strength, and good looks are the priority here. We start with a thick walled tube section and machine away everything that doesn't look like a *Co-Motion* tandem head tube. The result is extremely smooth, lightweight and ready to anchor the major tubes of the tandem frame.

Quick Fitting Changes

This threadless front stem system provides a more rigid connection between handlebar stem and frame, with fewer parts overall. You can easily raise or lower handlebar height for ideal fitting with stackable spacers and reversible stem angle. The forged aluminum stems allow quick and easy removal of handlebars, especially convenient on our travel tandems.



Better Forks

A key element to making *Co-Motion* tandems handle better is our fork. We re-engineered the tandem fork from the ground up. Our exclusive steerer tube makes a superb foundation for our custom drawn tandem fork blades.

Our exclusive steerer tube (above left) is CNC-machined from a single piece of Cro-Moly tubing. For unsurpassed strength and precision, the steerer tapers to a larger bearing race area, and increases diameter again at the fork blade attachment (above right). It's just one reason why *Co-Motion* forks are the choice of many other tandem builders.

The most awesome handling tandems cannot get by with generic mountain-bike fork blades, so *Co-Motion* has developed a fork blade specifically for tandem use. Shaped for excellent road compliance with ideal lateral rigidity, these large diameter tandem blades have tapering wall thickness from top to bottom. They're shaped perfectly for building a road tandem fork that's super strong, durable, and good looking to boot.

For information on our *Co-Motion/WoundUp* carbon fiber tandem fork, please see page 30.



PRIMERA



Primera with Champagne to Lemon-Lime metallic fade paint

PRIMERA CO-PILOT



Primera Co-Pilot with Bright Silver metallic paint

If you're looking for a tandem, you may already have found that it doesn't take long to become overwhelmed by the choices you're faced with. It's tempting to buy a tandem from a big-name bike company. But you'll find that a *Co-Motion* tandem will reward you many times over for just a little more.

The heart and soul of a tandem is its frame, and like all *Co-Motion* tandems, the way we build the *Primera* is innovative and undeniably better. We use continuous top and lateral tubes made precisely to our specifications to build a stronger and straighter tandem. The result is an incredible performer that no mass-produced frame can match.

To help you get the most from your *Primera*, we include fittings for water bottles, racks, and fenders. *Co-Motion Cycles'* reputation for the best handling tandems is upheld with our unbeatable geometry and hand built *Co-Motion* tandem fork. The *Primera* is ready to take on loaded touring, but you can really feel the racing in its blood when you're spinning together smoothly on a long strip of pavement.

You'll benefit from our experience as the top maker of premium tandems in the component selection as well. We have specified proven tandem components from the industry's best manufacturers to add even more value. It's the thoughtful details like these that will enhance your pride of ownership in a genuine *Co-Motion*. And since the *Primera* is made to last a lifetime, you'll have the peace of mind that you've made an intelligent choice for years to come.

Versatility is by far the biggest reason to consider making the *Mocha* your all purpose recreational vehicle. The smaller diameter of the rims makes 26" wheels amazingly strong, and the wide array of available tires makes them very appealing. You can ride on tires ranging from 1" to 2.2" wide, with virtually no tread or aggressive trail-grabbing lugs. The *Mocha* is for road-riding as well as off-road adventures—you choose. The degree of specialization is flexible. You can fit the *Mocha* with upright handlebars with mountain bike controls or use drop bars with road-style levers.

If you're the kind of people who use your single mountain bikes for all kinds of riding, you'll love the *Mocha*. It's got the knockabout, user-friendly attitude and fitting advantages of a mountain bike, too. An extra-low top tube provides roomy stand-over clearance for smaller riders, and our wide variety of stems makes it easy to introduce your curious friends to the joy of tandeming. The *Mocha's* geometry compliments the handling theory that is *Co-Motion's* trademark: It responds to rider input without flinching or hesitation, giving you extra confidence to push yourselves just a little harder, and have a lot more fun!

For an extra leg up on our competition, we build the *Mocha* with our exclusive *Co-Motion* designed zonally-butted tandem tubing. Special processing makes this air-hardening steel tubing harden after welding, for an amazing combination of low weight and unmatched reliability. The *Mocha* has everything you need to take it touring this weekend and time trialing next. Is this the do-everything tandem you've dreamed of? You'll know when you try it.



Mocha in Prowler Yellow

MOCHA CO-PILOT



Mocha Co-Pilot in Ferrari Red with an optional disk brake

SPEEDSTER



Speedster with an optional WoundUp carbon fork and Lake Violet Pearl to Passion Pearl HOK paint
33.4 pounds as equipped

SPEEDSTER CO-PILOT



Speedster Co-Pilot sporting the optional touring kit and in HOK Trublue Pearl

When you ride a *Speedster*, you'll experience *Co-Motion's* quantifiably better control that other tandems simply lack. Our advanced design and unmatched construction may make you forget you're on a tandem at all. The *Speedster* steers nimbly and quickly, but better still; the precision of handling *Co-Motion* tandems are famous for equates to better safety as well. This tandem is remarkably lightweight and fun to take up long climbs, yet rock solid and stable on winding descents.

Co-Motion's unmatched ride quality is the foundation of our tandem reputation, and we believe in packaging it with beautiful workmanship and finish. No one wants to invest in a machine as well developed as the *Speedster* without reaping the aesthetic rewards that *Co-Motion* owners expect. Super precise TIG welded joints, impeccable finish details, and show-quality custom paint are all yours to enjoy even when you don't have the time to take a ride.

The *Speedster's* frame is constructed with our exclusive Reynolds air-hardening steel tandem tube package, a Cro-Moly steel unequaled by any steel alloy used by other tandem manufacturers. As on all *Co-Motion* models, one-piece top and lateral tubes keep the frame straight and strong with no interruptions at the center joints. These zonally-butted tubes, made to our stringent specifications, produce a lighter tandem frameset than any other tubing. The result is that the *Speedster* delivers a ride that is crisp and comfortable at the same time.

A roomy stoker compartment, simple sizing system, and numerous stem selections for captain and stoker make a great fitting tandem a reality for just about any team. The *Speedster's* high level of component specifications will leave you completely satisfied that you own one of the best tandems the world has to offer. And the good news is: you'll be absolutely right.

The *Cappuccino* has earned a reputation as the ultimate tandem for extended rides, and some stokers wouldn't ride a mile on another tandem! The *Cappuccino's Softride™ beam* delivers active suspension, absorbing vibration and unexpected jolts far better than the limited action of a suspension seatpost. The difference is amazing.

A smoother ride for the stoker means the captain is happier, too. With the stoker at ease, those awkward body adjustments to get comfortable just aren't needed—a big plus for the captain. In fact, many teams notice a striking increase in their average speed, the result of effort saved not having to react to road terrain. Helping you to share your time enjoying the ride is what the *Cappuccino* is all about.

The *Cappuccino's* compact rear frame section makes it more laterally rigid, and due to the beam's suspension, you'll benefit from that extra stiffness without penalty. You'll soon learn this tandem gives up nothing in performance, carving turns and climbing hills with the renowned *Co-Motion* attitude.

The *Cappuccino's* frame integrates the beam's rear mount in line with the top tube at an Apex™. Pioneered by *Co-Motion* for the *Cappuccino*, the Apex design distributes the beam's compression loads away from the mount, for zero "beam sway" and greater strength than other Softride-equipped tandems.

When we introduced the *Cappuccino*, we speculated that it would appeal mostly to new cyclists. In the ensuing years, the *Cappuccino* has become well loved by everyone from Race Across AMerica winners to casual Sunday riders. Whether you're shopping for your first or last tandem, the *Cappuccino* deserves a serious test ride. We're betting you'll love it, too.



Cappuccino in Bright Silver Metallic to Light Blue Metallic fade

CAPPUCCINO CO-PILOT



Cappuccino Co-Pilot in Pewter Gray Metallic

ROADSTER



Roadster in HOK Cherry Pearl paint with optional Avid disk brake
33.75 lbs. as equipped

ALUMINUM AGING

Every *Co-Motion* 7005 tandem is put through an artificial aging process to strengthen the aluminum. This technique reintegrates the alloying elements, aggregated from the welding process, back into the crystalline structure of the tubing.



The era of a pleasant open-air tour through the countryside with the top down is back, only now it's on a *Co-Motion Roadster* tandem. Like the classic, this two-seater *Roadster* feels equally at home for a weekend in the country or negotiating tight downhill turns on the Pacific Coast Highway.

Co-Motion tandems have always been famous for superb road manners, and the *Roadster's* great performance comes from years of thoughtful change and refinement. You've worked hard over the years to refine your cycling skills and the *Roadster's* perfect balance of handling and comfort will reward you for your efforts.

The *Roadster's* clean lines and unmatched architectural strength are enhanced by Easton zonally-butted, one-piece top and lateral tubes. Elegantly contoured oval-tapered chain stays and shapely seatstays are intelligently engineered to keep the ride comfortable, while enhancing power transfer. Finishing off this impressive package in our matchless *Co-Motion* fork, making this *Roadster* lively, precise, and best of all, fun.

With the versatility to choose from our touring package or select racing components the *Roadster* is truly a multi-performance tandem worthy of the *Co-Motion* name. Dress up your *Roadster* in one of 30 stock color selections, or go with the classic British Racing green. Wire wheels no extra charge.

With its effortless telescoping adjustability it's easy to see why we named our new family-style tandem the **PeriScope 26**. Designed to accommodate people of all different sizes with fun and style, the *PeriScope* is the perfect tandem for families on the go.



The heart of the *PeriScope 26* is our double seat mast system, which provides four times the range of adjustability of other tandems and accommodates riders from 3 ft. to well over 6 ft. Think of the *PeriScope 26*'s telescoping, precision aluminum seat mast and quick-release double-clamping system as a seat post within a seat post that adjusts to fit virtually anyone.

The *PeriScope 26*'s simplified frame uses exceptionally large diameter, thin wall, double-butteted Cro-Moly tubing. Designed around 26" wheels, the *PeriScope 26*'s light and rigid compact frame supports the tall and the small with admirable performance. Safety, comfort and reliability never take a back seat to the design priorities of achieving exceptional stand-over clearance and user-friendly comfort.

We haven't cut any corners on the *PeriScope 26*'s component selection. You'll find top-quality, tandem-ready components on your *PeriScope 26* that you expect from *Co-Motion*.



The *Co-Motion PeriScope 26* was designed with growing families in mind but performs outstandingly with virtually any combination of riders. Really. Take it on your club ride and then ride with your daughter to the local park.

We've worked hard to develop the *PeriScope 26* into the most adaptable tandem in the world. Imagine the possibilities with your kids, your spouse and your friends. A *Co-Motion PeriScope 26* for your family represents your commitment to a healthy, inclusive lifestyle today and for years to come.



PeriScope 26 in custom Light Yellow Green to Willow Green fade with max-adjust captain's stem

PERISCOPE 26 CO-PILOT



PeriScope 26 Co-Pilot in Memphis Blue with max-adjust captain's stem

PERISCOPE 700



PeriScope 700 in Tomato Red

PERISCOPE 700 CO-PILOT



PeriScope 700 Co-Pilot in Mango

There's no need to put off buying a performance tandem just because you have a growing family. If you've been dreaming of the adjustability of the *PeriScope* tandem but crave the performance of 700C wheels we'd like to introduce you to the new ***PeriScope 700***.

You'll want to ride this incredibly adjustable performance tandem as much as you can. Both the captain and stoker's seat positions are quickly and easily changed without tools. It just takes a couple of minutes to set the bike up for almost anyone. The *PeriScope 700* is equipped with a rear disk brake so stopping your bike is almost as much fun as going.

With its 700C wheels, large diameter tubing and compact frame, this new addition to the *PeriScope* tandem family means you won't sacrifice any performance. The central concept of the *PeriScope* remains the same, (see page 13) with our double-clamping seat-mast system in use on the stoker position. Up front we have developed a new single quick-release seat collar for the captain.

Although the new *PeriScope 700* was designed with families in mind, it's perfect for situations where one or two captains may want to ride with a variety of different stokers. The *PeriScope 700* gives balance- or sight-impaired riders an opportunity to ride a bicycle, possibly for the first time in their lives. If your dream is adjustability and performance there really is only one choice.

The *PeriScope 700* allows your whole family to get involved with your passion for cycling. Share it with your family, then if you still have energy left share it with your friends.



PERISCOPE TRIDENT

Remember how you used to ride together before the kid came along? Your lives change as your family grows. You take a bike ride after work; your spouse goes to the gym in the morning while you watch the kid. You find yourself thinking that in spite of the family bond you've all found together, you spend far too much time apart. Isn't it time to bring it all back together?

Introduced for the 2004 season, our innovative *PeriScope* tandem has been embraced as the most versatile family-friendly tandem ever made, as well as our most successful new introduction ever. As soon as our 2004 catalog began to find its way into your hands, we began hearing ideas for ways to take the *PeriScope* a step further.

Like your growing family, the ***PeriScope Trident*** and ***Trident Convertible*** are

a natural progression for our family of *PeriScope* tandems. We like to grow with you, and using our innovative telescoping seat mast system, we've made it easy for you adjust your *Trident* for virtually any three people who want to ride!

For families embracing cycling as part of their lifestyle, a triplet is an ideal way to include a child in family cycling adventures without resorting to a trailer or a babysitter! With your guidance, your child can ride with you safely and comfortably at your speed, while learning the importance of family teamwork and unity.

Both the *PeriScope Trident* and *Trident Convertible* have incredible fitting capability for nearly every family. The *Trident Convertible* has the added ability to convert from triplet to tandem (double). If you're uncertain that you want a full-time triplet, now you have the option of a triplet that can also serve as a tandem.



PeriScope Trident in metallic Tropical Green



PERISCOPE TRIDENT CONVERTIBLE



PeriScope Trident Convertible in our stock Pacific Blue

SUPREMO



Supremo in Blue Prizmatique over Silver

SUPREMO CO-PILOT



Supremo Co-Pilot in delicious HOK Cinnamon Pearl
Only 33.1 lbs. as equipped, and it travels!

A hundred years ago, tandems were for men in knickers and women in bloomers, carrying parasols. A tandem was for a leisurely jaunt to the ice cream parlor or a quiet picnic. Perspiration and physical exertion were seen as contrary to civilized living. Sometimes, change is good.

The **Supremo** represents a departure from traditional thinking about tandems. Our goal was to create the lightest, best performing steel-framed tandem ever produced. Taking advantage of our highly regarded geometry and advanced *Co-Motion* designed steel tandem tubing, the *Supremo* naturally has a head start on every other contender. We've been helping our customers make intelligent choices for turning their all-purpose tandems into dedicated road machines for many years. To make the *Supremo* complete, all we needed was to apply our experience.

We put our knowledge to work to develop the first carbon fork designed specifically for tandems with WoundUp Composites. Equipped with this new super-light *Wound Up/Co-Motion* carbon tandem fork the *Supremo* raises the bar on tandem handling performance. The *Supremo's* Rolf Prima Vigor wheels and FSA SL-K Carbon Mega Exo tandem crankset make accelerating nearly effortless. Since safety and longevity are a top priority here, we have extensively tested these new components for hard tandem duty. Combining these with an air-hardened steel chassis, the *Supremo* isn't just a light and fast tandem; it's an incredibly stout little two-seater rocketship.

The *Supremo* begs to be pushed hard. The ride is solid, smooth, fast, and seductively easy. Of course, you could take this tandem for an ice cream run, but we're betting your joy rides will concentrate more on the journey than the destination. Welcome to the modern era.

If you're looking at *Co-Motion* racing tandems, you're looking for more than another cookie-cutter production tandem. You're seeking minimal weight, practical application of the best modern materials, and component selections that won't force you to make expensive upgrades later. For those who desire the ultimate in a purpose-built speed demon tandem, we've created the *Co-Motion Robusta*.

With its unbelievably light and rigid zonally-butted Easton 7005 aluminum frame, the *Robusta* is the embodiment of a true racing tandem. Void of touring accoutrements and outfitted with dual pivot brakes, or our rear disk option, fast riding and optimized handling were our primary design objectives for the *Robusta*. Our proven carbon tandem fork, developed by *Co-Motion Cycles* in conjunction with WoundUp Composites helps to achieve this goal, with reduced weight, improved vibration damping, and superb handling. The *Robusta's* super-light, incredibly strong Rolf Prima Vigor Tandem wheels, wrapped with Michelin Pro Race tires are built for speed and acceleration first and foremost. FSA SL-K Carbon Mega Exo tandem cranks provide additional performance and save critical rotational mass.

The *Robusta* is designed for riding hard. Sprinting, climbing out of the saddle, and fierce, fast descents are all in a day's work for this machine. Few would expect this kind of practicality from a tandem bicycle that weighs 29 lbs. right out of the box, but the *Robusta* responds eagerly and inspires you to do more. Other tandems may seem more exotic, but they cannot match the incredible combination of light weight and performance the *Robusta* offers. Experience for yourself how the *Robusta* will bring out the best from your team, and make the best of teams unbeatable.



The 2004 *Co-Motion Classic Tandem Stage Race*



Robusta looking fast in HOK Tangelo Pearl paint



CO-MOTION TANDEM SIZING

- *Co-Motion* tandem sizing is designed for a wide spectrum of fitting options, and a stronger, lighter and more graceful frame.
- It's best to put the taller rider up front in the captain's position, while the smaller rider is the best choice for the rear (stoker) position.
- Select the tandem size that best fits the captain, and then consider the stoker's fit. Stokers don't need stand-over clearance to achieve a comfortable position. Inseam range for stokers on Softride™ beam tandems is less than on standard frames.
- Notice that each of you may fit more than one size. We suggest looking very carefully at one of the most overlooked aspects of bicycle fit:
- Make sure the combination of the top tube length + stem matches your needs. To fine-tune your fit, we have nine choices of front stems and two adjustable stoker stem choices. If you're not sure about your positioning, you may use our 13-point fitting guide and request assistance.
- Our *PeriScope* tandems change many things we've come to accept about sizing. No matter what kind of fitting problems you may have had with other tandems, a *PeriScope* will very likely fit you to a "T."
- Suspension seatposts: Deduct 2.5" (64mm) from the low end of the inseam range to allow room for the RockShox seatpost. Other brands may require more room.

Road Tandems SIZING	21 x 18 (small)	22 x 19 (medium)	23 x 20 (large)	23 x 18 (large - small)
CAPTAIN	5'5" to 5'10"	5'8" to 6'1"	5'11" to 6'4"	5'10" to 6'4"
Inseam Range	29.5" to 33"	30.5" to 34"	31.5" to 36"	31" to 36"
Stand-over Height	30.5"	31.1"	32.0"	31.3"
STOKER	4'10" to 5'10"	4'11" to 5'11"	5'0" to 6'0"	4'10" to 5'10"
Inseam Range	26.5" to 33"	27.5" to 34"	28.5" to 35"	26.5" to 33"
Stand-over Height (non-Softride models)	27.6"	28.6"	29.5"	27.3"
Stand-over Height (Softride-equipped models)	30.6"	31.3"	31.7"	30.6"

Mocha Tandem SIZING (26" wheels, road or off-road)	18 x 15 (small)	19.5 x 17 (medium)	21 x 18.5 (large)
CAPTAIN	5'2" to 5'8"	5'6" to 6'0"	5'10" to 6'4"
Inseam Range*	27" to 32.5"	28.5" to 34"	30" to 35.5"
Stand-over Height*	27.4"	28.9"	30.3"
STOKER	4'10" to 5'10"	4'11" to 5'11"	5'0" to 6'0"
Inseam Range*	23.5" to 30.5"	25" to 32"	27.5" to 34.5"
Stand-over Height*	24.15"	26.25"	28.15"

PeriScope Trident SIZING	SMALL	LARGE
CAPTAIN	5'0" to 6'2"	5'2" to 6'4"
Inseam Range	28" to 35"	28" to 36"
Stand-over Height	26.7"	26.7"
MIDDLE STOKER	4'6" to 6'2"	4'6" to 6'2"
Inseam Range	24" to 34"	24" to 34"
Stand-over Height	24.4"	24.4"
REAR STOKER	3'6" to 6'2"	3'6" to 6'2"
Inseam Range	20" to 34"	20" to 34"
Stand-over Height	20.2"	20.2"

PeriScope 26 SIZING	SMALL	LARGE
CAPTAIN	4'10" to 6'2"	5'2" to 6'4"
Inseam Range*	26.5" to 35"	26.5" to 36.5"
Stand-over Height*	26.7"	26.7"
STOKER	3'6" to 6'2"	3'6" to 6'2"
Inseam Range*	19" to 34"	19" to 34"
Stand-over Height*	19.7"	19.7"

PeriScope 700 SIZING	SMALL	LARGE
CAPTAIN	5'4" to 6'0"	5'6" to 6'4"
Inseam Range	28.5" to 35"	28.5" to 35"
Stand-over Height	28.75"	28.75"
STOKER	3'8" to 6'2"	3'8" to 6'2"
Inseam Range*	21.5" to 34"	21.5" to 34"
Stand-over Height	21.8"	21.8"

PeriScope Trident Convertible SIZING	SMALL	LARGE
CAPTAIN	4'10" to 6'2"	5'2" to 6'4"
Inseam Range	24" to 35"	24" to 36"
Stand-over Height	22.25"	22.25"
MIDDLE STOKER	3'6" to 6'2"	3'6" to 6'2"
Inseam Range	19" to 34"	19" to 34"
Stand-over Height	19.5"	19.5"
REAR STOKER	3'6" to 6'2"	3'6" to 6'2"
Inseam Range	19" to 34"	19" to 34"
Stand-over Height	19.5"	19.5"

*NOTE: For off-road use, allow at least 1.5" more than the minimum inseam size stated.

CO-MOTION FIT GUIDE

CUSTOMER NAME(S) _____ DATE _____

ADDRESS _____

CITY _____ STATE _____ ZIP/POSTAL CODE _____

PHONE _____ EMAIL _____

I AM (WE ARE) INTERESTED IN A TANDEM SINGLE MODEL NAME(S) _____

1. INSEAM _____

Measure with shoes off. Stand squarely against a wall and raise a straightedge—a clipboard, carpenter’s square, ruler or other device—high against your crotch. Measure from the floor to the top of the straightedge.
NOTE: This measurement is NOT the same as a trouser inseam measurement.

2. THIGH _____

Stand with your back squarely against a wall, and raise one knee until your thigh is parallel to the floor. We’re looking for the head of the femur, which is just a few inches below the top of your pelvis. The head of the femur is a hard protrusion very close to the flesh, but easier to locate on men than women. Measure from the center of your hip/femur joint to the center of your knee. The next measurement (3) uses the same point.

3. BACK _____

Measure from the center of your hip/femur joint to the center of your shoulder joint. Stand up straight!

4. SHOE SIZE _____

5. WINGSPAN _____

Standing squarely against a wall, spread your arms straight out with your palms facing outward. Measure from the centers of your palms (not your fingertips).

6. SHOULDER WIDTH _____

Measure from the outside of the left shoulder to the outside of the right shoulder.

7. FOREARM _____

Measure from the center of the elbow to the center of the palm.

8. HEIGHT _____

9. WEIGHT _____

(Please be honest!)

10. SADDLE HEIGHT _____

On your existing bicycle, measure the distance from the center of your bottom bracket (crank spindle) to the top of the saddle. If you know your crank-arm length, please note it here.

11. REACH _____

Also, on your existing bike, measure from the center of the handlebar (where the stem clamps to it) to the center of the seatpost, as illustrated below. Make sure your tape is level.

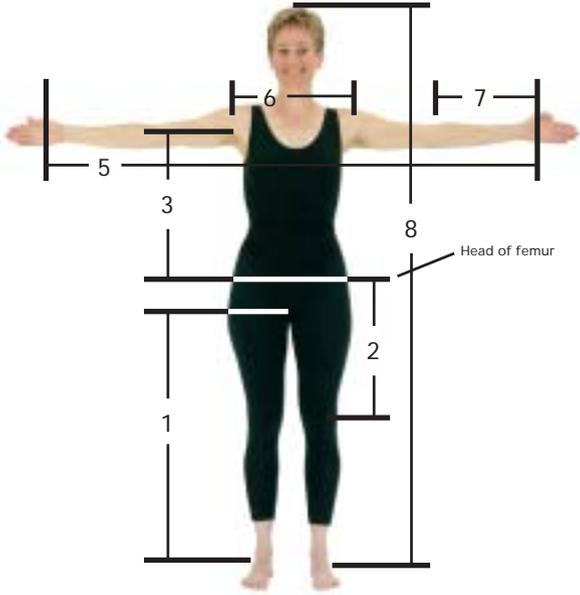
12. a) RELATIVE SADDLE HEIGHT _____

12. b) RELATIVE STEM HEIGHT _____

Two more measurements from your existing bike: 12a) Measure from the floor to the center of the handlebar (where the stem clamps to it). Then measure from the floor to the top of your saddle (12b).

13. Give us a little background on the bike(s) you’ve had and loved or hated, and the kind of riding you do or plan to do. Please attach another sheet if needed.

- To help you determine a correct bicycle fit, complete the all the information on this page.
- Please note individual measurements for captains (C) and stokers (S).
- Note the charts below to assist you in your measurements.





The early morning fog was just one more challenge for George Thomas in a record-setting 2004 Race Across AMerica two-person team with Terri Gooch riding *Co-Motion Ristrettos*.



The Livermore Family enjoys an outing on their *Co-Motion Mocha* and custom triplet.



Pamela Blaylock and John Baley stop by *Co-Motion* during their U.S. tour.



Will Carter and Lisa Tracey pause with their *Speedster Co-Pilot* near Mount Cook during their New Zealand tour.



Dave Mann of the Jet City Velo Squad with his custom *Co-Motion* track bike.



Our broad selection of tandem and single bicycle models come in a thorough array of sizes that meet the needs of most cyclists. In fact, every bicycle we offer is made with geometry and sizing that is a direct result of the fitting data we've collected from our customers over the years. *Co-Motion Cycles custom fitting services* provide the ideal way to get exactly what you need, with your fit and your specifications met right from the drawing board.

To take advantage of our custom fitting service, start by determining which of our single or tandem bicycle models has the features you're interested in. Because we build all of our bicycles individually from start to finish in our own facility, any *Co-Motion* in this catalog is available in a custom fitted version.

To tailor a perfect fit for you, fill out our 13-point fitting guide which can be completed quickly at your home or at your *Co-Motion* dealer (see page 19 or online at www.co-motion.com/fitguide.html#guide).

The key factor in custom fitting is communication; so we make a point of listening to help you decide exactly what you need.

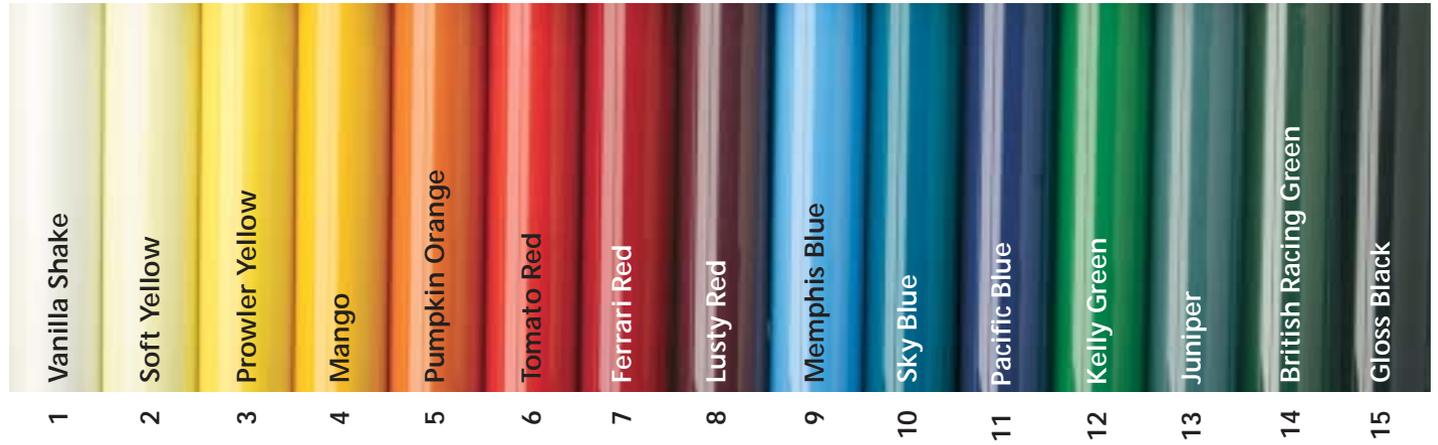
After receiving your order, we'll send a CAD drawn design for your approval. Construction of your bicycle begins only when you are satisfied with the design.

Co-Motion makes an incredible variety of custom bicycles; so if you don't see what you're looking for, don't hesitate to inquire! Yes, we do make triplets, quads, time-trial, track, MTB and cyclocross bikes, in 7005 aluminum or Cro-Moly steel. We have no trouble fitting very small or very large people on custom designed singles or tandems. Some of the most respected bicycle fitting experts in the world rely on *Co-Motion Cycles* for their most difficult-to-fit customers. Take advantage of our experience and expertise to make your dream bike a reality.

Your choice of single color PPG Global paint from this page at no additional cost; upcharges apply for House of Kolor Pearlescents. Upcharges also apply for two-, three-, and four-color fades. Choose only colors from a single column for fades. See price list for all upcharges. Custom colors and effects are available; please inquire.

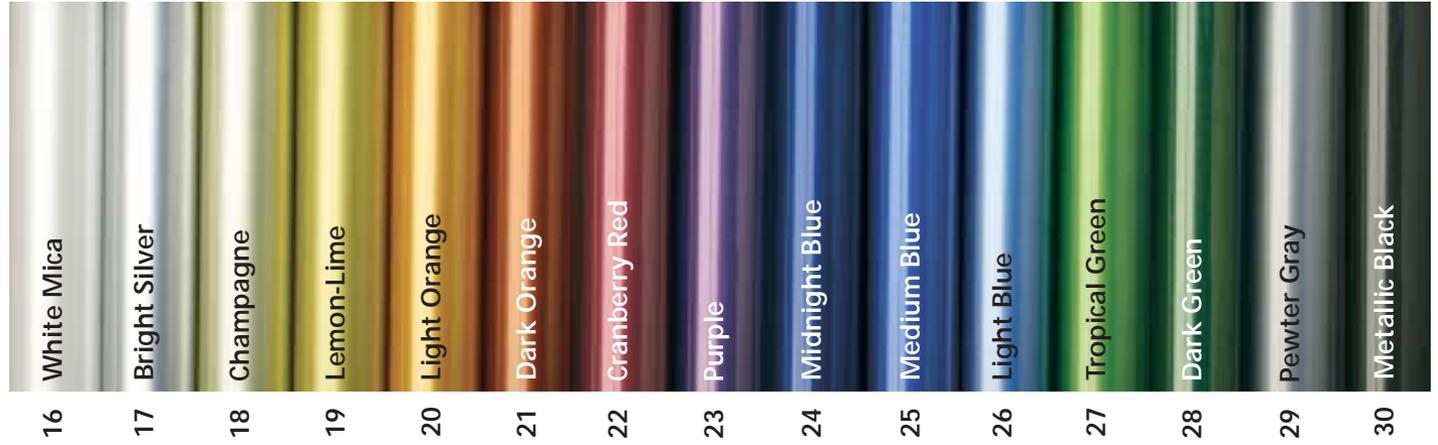
Opaque PPG Global System

Also known as non-metallic or solid colors. Strong, rich colors for a traditional look.



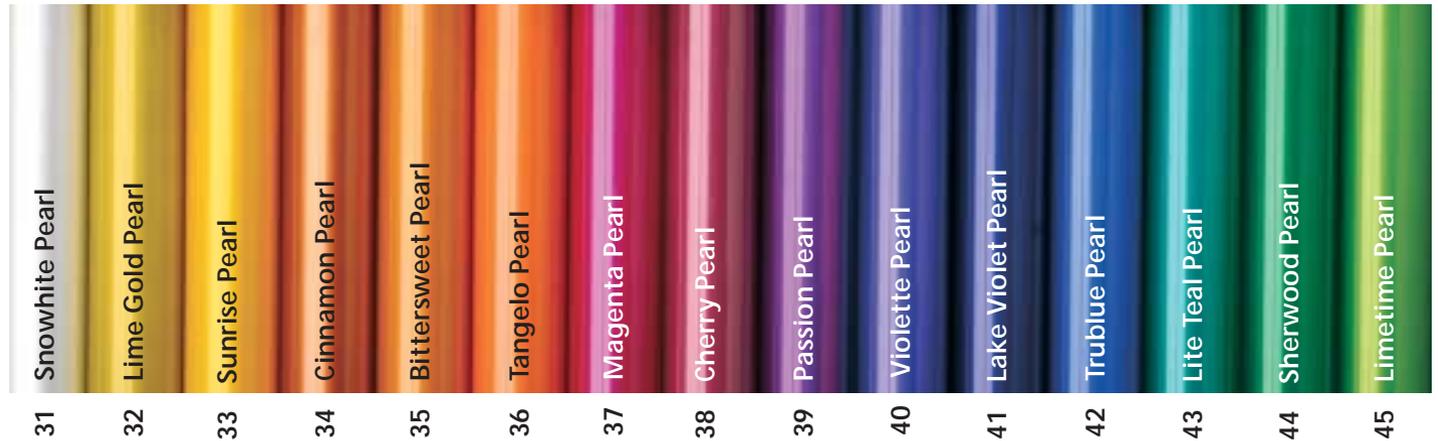
Metallic and Mica PPG Global System

Particles reflect light and add showroom shine and depth.



House of Kolor Pearlescent

Pearl or opalescent particles in the paint reflect light, and add depth and beauty to your Co-Motion's finish.



CO-MOTION CO-PILOT CONCEPT



Introduced in 1993, the S+S Machine Bicycle Torque Coupling forever changed the image of travel bikes, making odd-looking folding bikes with non-standard parts obsolete. With the S+S Coupling, a true high performance bicycle can be separated and packed for travel quickly and easily in airline-checkable luggage. Our expert integration of the S+S Couplings will make you forget that the couplings are there, until it's time to pack up your bike and go!

In 1994, we launched the **Co-Motion Co-Pilot Project**, becoming the first bicycle company in the world to offer bicycles with S+S Couplings as a standard feature. Since then, we have expanded the *Co-Pilot Project* by making S+S Couplings available on any Cro-Moly steel *Co-Motion* tandem or single. Just say, "Co-Pilot" and we'll make your *Co-Motion* into a world-class travel bike. As the leading maker of S+S Coupling equipped bicycles, *Co-Motion Cycles* has the expertise to ensure that your travel bike is without equal.



A simple **hook spanner**, included with your *Co-Pilot*, is all that is required to loosen or fasten the threaded BTC nut.



All *Co-Motion Co-Pilot* framesets include **quick-release cable splitters** to facilitate fast assembly and disassembly. Splitters install on both derailleur cables and the rear brake cable.

A close look at the elegant S+S Machine Bicycle Torque Coupling reveals the engineering that allows the system to work so perfectly. Interlocking tapered teeth are drawn together by a threaded locking ring. Incredibly, a well-made BTC-equipped bicycle frame is measurably stronger than an identical frame without couplings. We silver braze the S+S Couplings into our specially designed *Co-Pilot Project* tubing before hand-building your bicycle frame.

Because we know you expect the best, *Co-Motion Cycles* uses only hardened 17-4 stainless steel S+S Couplings. Many builders use weld-on couplings made from lower-grade stainless or even non-stainless material to reduce cost and speed up bicycle production. Hardened 17-4 stainless S+S Couplings assure a lifetime of flawless and corrosion-free operation. We know that once you own a *Co-Pilot*, you'll want to keep it forever.



The **Hard Case** is made from tough PVC plastic to provide ideal protection for your bicycle. The lid's interlocking lip and continuous hinge ensure that the contents stay inside. Steel latches and a padlock hasp add to security while the Pullman wheels and a pop-up handle make navigation to the TSA or luggage counter effortless.
(26" x 26" x 10" = 62 linear inches)



Our **Backpack Case** offers great versatility. Constructed of rugged Cordura nylon, it is internally supported with ABS panels that Velcro into its perimeter. Carry your bike on your back or grab the tote handle, and use it to carry other items once the bike is removed. When empty, the backpack case collapses into an easy-to-store package.
(26" x 26" x 10" = 62 linear inches when full, approx. 28" x 10" x 3" when collapsed for storage)



The **Lightweight Case**, made of fully-zippered Cordura nylon, though not as protective, is an inexpensive supplement for carrying wheels, shoes, and clothing, while your frame travels in a *Hard Case* or *Backpack Case*.
(26" x 26" x 8" = 60 linear inches)

Please Note: Most airlines stipulate a limit of 62 linear inches for "checkable" luggage. Linear dimensions are the sum of the luggage's length, width, and height. The luggage we offer for our *Co-Pilot* bicycles is 62 linear inches or less.

Many other brands of travel bicycles and cases that are now being marketed as airline checkable actually exceed this 62 linear inch luggage limitation. Larger luggage is subject to surcharges and possible rerouting due to luggage compartment limitations on some aircraft.

Add the *Co-Pilot* option to your *Co-Motion* tandem

Co-Motion blazed a new trail for travel tandems with a brilliant Six-Coupling system. Since our *Co-Pilot* tandem frames separate into three sections, assembly and disassembly is intelligently simplified. There's no way to assemble out of sequence, no need to remove the fork, and there are no separate tubes to lose. Plus, we strategically locate our couplings for easy access without knuckle-bashing interference from the chainrings. Our competitors simply overlook these details that make your packing job easier.

No tandem maker is more thorough than *Co-Motion* when it comes to engineering the location of the couplings for optimum frame strength. Each coupling is fully supported where it is integrated into the butted

section of our exclusive zonally-butted *Co-Pilot Project* tandem tubing. Our large diameter bottom tube is oval at both ends and round where it joins just one large S+S Coupling.

This design provides the known structural benefit of a single oversized tube as well as lighter weight and the logical simplicity of handling fewer parts. And yes, the round S+S Coupling is superior to the "oval coupler" offered elsewhere.

The *Co-Pilot* option will be a pleasant surprise on any *Co-Motion* tandem you choose. The performance is so impressive; you may end up sidelining the tandem you're riding now.

Add the *Co-Pilot* option to your *Co-Motion* single

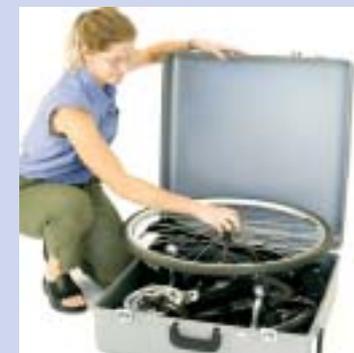
Naturally, the best reason to own a *Co-Pilot* is that you never have to leave your passion for cycling behind when you travel. Your *Co-Pilot* checks on as regular luggage, saving you money and hassles each time you travel. Best of all, you'll maintain your fitness while the world becomes your cycling playground.

Each *Co-Pilot* single or tandem includes a complete color-illustrated instruction booklet and an instructional CD you can play on your computer or DVD player. See our *Co-Pilot* packing slideshows at www.co-motion.com

Packing a genuine *Co-Pilot* tandem takes less time than little-wheeled folding tandems. Our three-section design and easy-access couplers keep your packing job simple. Two cases recommended for worry-free travel.



Packing your *Co-Motion* travel bike is simple, and you don't have to be a mechanical ace to do it right. In fact, the only unusual part on our travel bikes is the S+S BTC. Cordura nylon padded sleeves with a Velcro backing protect your frame inside its case.



NOR'WESTER



Nor'wester in Gloss Black with Soft Yellow panels and new Ultegra 10-speed triple

NOR'WESTER CO-PILOT



Nor'wester Co-Pilot in Soft Yellow with our touring package

Ride the Rockies, RAGBRAI, STP, Great Western Bike Rally, Ride for the Roses, Cycle Oregon. Just hearing the names of these rides invokes a sense of anticipation that can inspire a season of training and commitment.

The **Nor'Wester** is the perfect bicycle to allow you to complete these challenging events comfortably, efficiently, safely, and more enjoyably. You won't outgrow the *Nor'Wester*. Instead it will become a trusted companion that will help you achieve your goals.

We developed the *Nor'Wester* as an answer to many requests for a bike that's not strictly a racer and not quite as touring-extreme as our *Americano*. Maximum versatility, precise, stable handling, and all-day comfort are what we build into the *Nor'Wester*. With all its capabilities, the *Nor'Wester* still climbs and accelerates like an ultra light racer. Designed to accommodate moderate touring loads, fatter tires and fenders, while providing a more relaxed riding position, the *Nor'Wester* is truly a bike you can live on.

We build the *Nor'Wester* with the magic carpet ride quality that only a hand-built double-butted Cro-Moly steel frame can deliver. You'll appreciate its rock solid stability whether you're carrying your panniers or just a credit card. Details like fully-brazed fittings, optional cantilever or long-reach caliper brakes and hand-sculpted dropouts exemplify that the craft of framebuilding is alive and well here at *Co-Motion Cycles*.

Since we've never seen another fork that can handle the stress of front pannier loads with as much grace and style as the one we build for our *Americano*, it's the natural choice for the *Nor'Wester*. We complete the *Nor'Wester* with an excellent touring package, or your choice of Shimano or Campagnolo road kits.



When it's time to discover the joy of seeing the world first hand and at your own pace, you'll need a bicycle that won't let you down no matter where you are. Alone against the elements, you can depend on our first-rate design and construction to keep you confident and in control.



The *Co-Motion Americano* has established the standard for what a touring bike should be, an entirely new breed of bicycle that handles self-supported, transcontinental touring without even breaking a sweat. We've borrowed and developed ideas from our unsurpassed tandem designs to increase touring load carrying capacity and provide a level of rugged reliability unmatched by any other bicycle.

For complete immunity from wheel failures, the *Americano* uses a dishless, symmetrically laced rear wheel with a 145mm axle. Our exclusively-designed tandem-sized chainstays are long enough to provide huge clearance for carrying large panniers, yet stiff enough that your *Americano* will beg for more hills to climb. The heat-treated over-sized steel frame tubes are stout enough to repeatedly cross any continent.

Real touring geometry is vital for the success of your voyage, and we've mind-melded into the *Americano* the sure, steady disposition of a pack mule. To help you take in the view without strain, the *Americano* manages to be relaxed and upright, with 12 available sizes to fit just about anyone. Our exclusive, hand-built fork keeps your gear rock solid even on the steepest mountain descents. There's plenty of room for fat touring tires, fender mounts, and all the braze-on fittings you need.

No other touring bike is as rugged, stable or well equipped for your adventures.



Americano in Juniper with Pumpkin panels, ready to tour

AMERICANO CO-PILOT



Americano Co-Pilot in Lusty Red with Vanilla Shake panels and optional Tubus front and rear racks

ESPRESSO



Espresso in Light Orange Metallic with Vanilla Shake panels
16.8 lbs. with Dura Ace 10-speed and Rolf Prima Vigor wheels

ESPRESSO CO-PILOT



Espresso Co-Pilot in Light Blue Metallic and equipped with Ultegra 10-speed components

Combining timeless hand-craftsmanship with the very best materials, our *Co-Motion Espresso* represents the ideal marriage of the framebuilder's art with modern steel technology. The result of our insatiable ardor for steel is a fast, efficient ride that will instill a pride of ownership lasting a lifetime.

Built with Reynolds 853 double-buttet tubing, a proven steel alloy that becomes stronger after welding, the *Espresso* represents the very best in steel technology. With its wide array of diameters and butting profiles, Reynolds 853 helps us to very effectively optimize our size-specific tubing choices.

Designed around classic stage racing geometry for long days in the saddle and confidence inspired handling, the 2005 *Espresso* is better than ever with your choice of the oversized carbon WoundUp or Reynolds Ouzo Pro forks. With 15 stock sizes and available custom geometry, fitting just about anyone is easy.

Choosing a road bike deserves more attention than simply looking for a tubing label. Only a hand-built frame from one of the world's premier framebuilders can deliver the full potential of the material as it was designed to be used. A test ride on the *Espresso* will show you what you've been missing: a crisp-riding race bike that glides over the flats, climbs like a cat, and makes you crave curvy roads like never before.

Now more than ever, the *Espresso* is the ride you've been waiting for.



Matt Goodban works on the *Co-Motion espresso* machine, the one that uses beans, that is.

Road racing looks different today than it did 20 years ago. Where classic steel steeds once ruled the peloton, undersized frames with unfamiliar names and oversized tubes now dominate. Sentimental riders may mourn the retreat of traditional lugged steel bicycles, but there's a good reason for the change. While steel tubing continues to develop, alternative materials have proven their value many times over. Titanium once seemed to be the next revolution, but the proven conqueror is unquestionably aluminum.

Co-Motion has become known for making bicycles with strong identity and a solid sense of purpose. We don't make bicycles that mimic those of our competitors. Instead, we look at each bike as an answer to a need, and fill the niches where we find them. Oddly enough, well-crafted, handmade aluminum bicycles are extremely rare. The vast majority of aluminum road bikes are made in enormous quantities in giant production facilities. It's hardly the kind of place you might imagine your personal machine would be lovingly crafted. We're offering an alternative: A frame that offers the best in aluminum technology, incredibly lightweight and built with the kind of individual attention and design that only a small American shop can offer.

The ***Ristretto*** exemplifies what a road bike was always meant to be. Size-specific geometry gives performance equity whether you fit best on a 62cm or 50cm frame. We individually select Easton 7005 Ultralite tubes for each specific size to create the best strength-to-weight advantage. The *Ristretto's* geometry focuses our strength; creating a balanced position for the rider to enhance our renowned handling character.

If you've longed for hand-built quality, with the rigidity and low weight only a modern aluminum frame can provide; the *Co-Motion Ristretto* is your bike.



Ristretto in Custom Baby Blue Pearl with HOK Lake Violet Pearl panels
14.9 lbs. with Reynolds Ouzo Pro Lite fork, Reynolds Stratus DV-UL wheels, and Shimano 10-speed DuraAce components



Twenty-nine-time national road/track/tandem champion Glenn Bunselmeyer of Seattle's Excel Master's team with his *Ristretto* and custom pursuit bike.



The Solano Avenue Cyclery Racing Team is one of four regional teams racing and winning on *Co-Motion's Ristretto* aluminum racing bikes.

CO-MOTION TT



Co-Motion TT in Cinnamon Pearl, 17 lbs. as equipped

CO-MOTION TT TANDEM



Co-Motion TT Tandem in Snowwhite Pearl

If your idea of a good time is racing flat-out against the clock then we have the equipment you need to help you reach your full potential. The **Co-Motion TT** is made with the sole purpose of allowing you to maximize your strengths in the race of truth.

Handmade from custom-formed 7005 aluminum aero tubes, the *TT* weighs only 17 lbs. built as shown, or 2.5 lbs. for the frame alone. Look around and you'll discover that the *Co-Motion TT* is the lightest purpose-built time trial bike on the market. The aero profile seat tube, which accepts a standard 27.2mm seatpost, is scooped out so that the rear tire tucks in close to save precious seconds. The *TT*'s drop-outs are "rear loading" to allow you to accommodate tires of different sizes or effectively change the chain stay length. Instead of offering a replaceable derailleur hanger we've designed the dropouts to be completely replaceable.

We build the *TT* with internally routed shifter cables and up front, the *TT* is fitted with a standard 1-1/8" Chris King threadless head set. A Reynolds Ouzo Pro Aero carbon fork completes this serious go-fast machine.

Time trials will always hurt, but with the right equipment you'll cross the finish line faster.

This **Co-Motion Time Trial Tandem** is hand-made from 7005 aluminum aero-profile tubing with a Reynolds carbon fiber seatstay and Chris King Perdido integrated headset. As shown, this *TT Tandem* is equipped with Syntace C2 bars for the captain and Cane Creek Speed Bars with a custom stem for the stoker. The wheelset is Nimble's tandem aero wheel. 26.7 lbs.

Every winter brings about a transformation for the cyclists at *Co-Motion* and all who live and ride here in Oregon. Suddenly the weather turns, and the svelte road-racing bike no longer symbolizes an after-work escape, but rather, a cold, wet torture.

Wherever you live, cycling through the seasons is a challenge. The trusted road machine that served so well in the summer becomes the wrong tool. You feel clumsy riding it in your knickers, booties, jacket, hat, gloves and layers. It's tragically comical to outfit your road bike with fenders—chopping and cutting zip ties and electrical tape. You trudge through winter without shifting gears and end up covered with dripping road grime...

What's the solution? Get simple and strip down! *Co-Motion* presents the ***Streaker***. Discover how untrammelled, fast and free you can be on a bicycle with all your energy turning one chainring and one cog, uncomplicated with clogged derailleurs and pulleys. The *Streaker* is naturally endowed with handpicked components suited to endure Mother Nature's worst, and a lovingly handcrafted Easton Ultralite aluminum frame. A dual-function rear hub operates as a fixed-gear or freewheeling single-speed. Long-reach caliper brakes allow plenty of stopping power with room for beefy tires and those all-important fenders to keep your hide dry.

Denude your calendar of the words "off-season." Do what the pros do and develop power and a spin that will allow you streak to your best performance next summer.

Pants optional.



Streaker in HOK Sunrise Pearl



CO-MOTION OPTIONS

A selection of some of the optional equipment and supplies available from *Co-Motion* for your new tandem or single bike.



1—King Headset

Recognized as the best threadless headset you can buy. Available in silver or black.

2—Tubus Touring Racks

Spartan German design, built out of lightweight Cro-Moly tubing, and widely regarded as the very best expedition style touring racks. Cargo/rear, Tara/front.

3—Padding Kits

Hook and loop fastening padded tube covers to help protect your *Co-Pilot* bike while traveling. Two widths, 5.5" and 7.5". Both 10 ft. long. Singles require one roll of each size, and tandems need two 7.5" rolls and one 5.5" roll.

4—S+S Coupler Spanners

Spanners for S+S Couplers. Tandem spanner for large and small couplers, and the single bike spanner with pedal wrench on one end.

5—S+S Lube

100% Teflon grease. The only lube recommended by S+S Machine for their couplers.

6—Cable Separators

Set of three cable separators allows you to easily disassemble your *Co-Pilot* bike for travel. Available as a set for shift cables and rear brake cable. Specify brake or shift cable separator when ordering singly.

7—RockShox Seatpost

Stokers love this seatpost. Built-in elastomer takes the edge off rough roads.

8—WoundUp Carbon Fiber Seatposts

Filament wound carbon fiber with polished alloy seat clamps, available in 29.8 for tandem, 27.2 and 25.4 (to shim) for singles. Made in Utah.

9—Hi-Rise Seat Clamp for Softride™ Beam

The Hi-Rise seat clamp allows for more saddle height adjustment for taller riders.

10—WoundUp Carbon Forks

These highly regarded *Co-Motion* designed forks are available in two versions for tandem use. Choose the caliper brake or cantilever brake version.

11—FSA SL-K Carbon Mega Exo Tandem Crankset

High performance carbon crankset for better shifting and better power transfer. Stock rings 54-42-30. Available lengths 170, 172.5, 175, front or rear. Integrated external bearing bottom brackets included.

12—DT Hugi Velocity Dyad Wheels

Hand built wheels with our own symmetrically-designed durable DT Swiss hubs, 14 gauge stainless steel spokes and Velocity Dyad rim, available in 36–40 or 48 spoke counts.

13—Chris King Velocity Wheels

Semi-aero rims with high performance Chris King hubs available in 36 hole front/rear or 36 rear and 32 front.

14—Rolf Prima Vigor Tandem Wheels

This is the lightest and fastest tandem wheelset on the market. The Rolf Prima Vigor Tandem wheels feature a deep aero profile and low spoke count for excellent stiffness and low rolling resistance.

15—*Co-Motion* Tandem Dust Cover

Protect your investment with a lightweight *Co-Motion* dust cover. *Co-Motion* logo on both sides. In black, one size fits all.

Take *Co-Motion* on the road with you, from head to toe! Top quality wearables that look good, feel good, and doggone it, people like them!

CO-MOTION GEAR



Co-Motion Jerseys

Show off your impeccable taste and be cool, comfortable and fast in our sublimated jersey. These mod-looking beauties feature a 3/4-length zipper, and soft, breathable fabric. They're made for us by Voler with ProSensor fabric and high-quality construction. Word has it this is the most comfortable jersey many of our friends have ever worn. Brick red, poppy orange, and tangerine yellow fade body with black, silver and white accents.

Men's cut is Voler's relaxed Club Fit. Men's sizes: S, M, L, XL, XXL, XXXL

Women's cut is proportionate and fitted. About half of our female customers prefer the men's cut. Women's sizes: S, M, L, XL

Co-Motion Shorts

Our *Co-Motion* team shorts are made by Voler of 8-panel anatomical cut Pro Tex Nylon Lycra material with *Co-Motion* printed on the side panels.

The shorts are available in standard short or bib short design and both feature leg gripper elastic and the Voler Cantara anti-bacteria pad providing comfort for long hours on your *Co-Motion* bicycle.

The shorts are unisex sized in S, M, XL and XXL.



Co-Motion Hats

Cover your head and improve your social status in one of our hip embroidered hats by Richardson Sports. Our heavyweight brushed twill cap is available in driftwood or navy. One size fits virtually anyone with its nice cloth strap and brass adjustment buckle.

The waterproof waxed cap (on the left) is buck colored and has a fully adjustable nylon web strap with a plastic buckle. Yep, it's really waterproof. Water falls off it like it rolls off a duck's back. One size fits most anybody.



Co-Motion Water Bottles

Our new *Co-Motion* water bottles from Specialized with the *Co-Motion* logo on one side and the *Co-Motion Classic Tandem Stage Race* logo on the other. In small and large sizes.



Co-Motion T-Shirts

You'll be lookin' swell in our big-logo 100% cotton T-shirt. These are top-quality heavy cotton Ts made in the USA by Jerzees Activewear. They're screen printed with permanent ink that becomes one with the shirt and softens with wear. Nice little logo on the back, too.

Available in sizes S, M, L, XL, XXL.

Specify Navy with white logo) or White (with black logo).



When we started *Co-Motion Cycles* in 1988, we gave a lot of thought to the name and purpose of our company. *Co-Motion* can mean a lot of things, but what our name means to us is the unique relationship between people and their bicycles: Our bicycles. We want to make this bond between you and your machine stronger. By designing and building bicycles of substance, we're working hard to help you develop that spirit of teamwork whether your *Co-Motion* is a tandem, road bike, travel or touring bike, or a custom *Co-Motion* built just for you.

In November 2000 we moved into this beautiful new building designed specifically for the production of handmade bicycles. If you ever find yourself in our area, just give us a call and stop by the facility. We'd love to show you why we think this is the best frame building shop in the country.

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On the cover: Stephen and Heather Smith celebrate their wedding *Co-Motion* style. Photo by Caley Fretz.

Co-Motion frames, forks and stems carry a limited lifetime warranty. Any failure resulting from faulty material or manufacture will be repaired or replaced at our discretion. Components are warranted by their respective manufacturers.

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