

# SANTANA

*the finest line of tandems*





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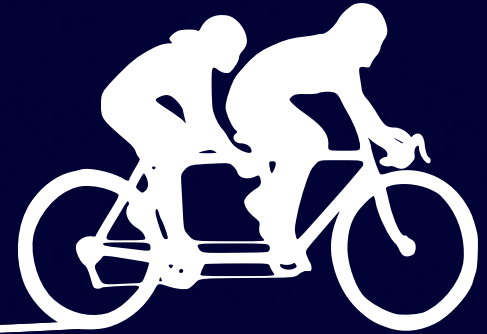
Journey

Together...

...having fun

...moving

...to the destination



**The "magic" of tandem riding is hard to describe - you simply have to feel it.**

Since the invention of the automobile, cycling has never been as popular as it is today. Caused by the demand for alternative ways of travelling and a more health-conscious lifestyle, more and more people are becoming enthusiastic about tandem riding. All tandem riders - whether young or old - are united by the joy of experiencing and moving together, the bond of partnership and a shared hobby, cycling or cycle touring.

Tandem riding is just as popular with people with physical or mental disabilities. Athletic people also get on the tandem to increase speed and fun together. After all, a climb no longer "tears" the team of two apart. Tandems are particularly popular with touring cyclists: "You can always talk without having to ride riskily side by side."

When packed, tandems fit into large wheel boxes, in a station wagon or on a roof rack. Tandem fans who want to be sure that they can easily take their tandem with them everywhere choose tandems with couplings so that the tandem can be disassembled and packed into a special case to save space.

# About Santana

**Santana was founded in 1976 in California, USA. The origins go back another ten years, when Santana founder Bill McCready bought his first used tandem.**

Bill, an ambitious 15-year-old road cyclist, caught the "tandem virus" one day when two normally weaker training partners borrowed a tandem and went faster than Bill. After Bill got his own tandem, he spent the 60s and 70s trying to get his friends excited about tandem riding. Although these early tandems were heavy and unwieldy, the growing group of enthusiasts had a great time on tandem tours and tandem races.

In 1974, Bill acquired the bike shop "Bud's Bike Shop" in Claremont, California. The following year, he was already selling over 100 customised tandems in his small shop, which he had sourced from twelve different manufacturers. These tandems represented the finest the market had to offer at the time.



Nevertheless, they were not good enough for Bill. In 1975, McCready became editor of *Bicycling* magazine. The following year, after collecting the six best tandems *Bicycling* could find, the first ever tandem comparison test was published.

The conclusion of the test was that these six tandems were heavy and bulky. Why did the first tandems perform so badly?

"Bicycle manufacturers didn't take tandems seriously at that time. Most tandem designers had never even ridden one," McCready recalls.

By 1976, Bill and some tandem enthusiasts had ridden and evaluated over 30 different tandems. Of course, they found big differences in the suitability of different materials and geometries. Armed with this new information and a growing list of eager customers, McCready contacted small and large frame builders around the world.



Although most of these builders had no experience in building tandems, they insisted on using existing materials and their own frame designs.

After exhausting all other possibilities, Bill McCready founded the Santana brand. A company dedicated to producing only the highest quality tandems for discerning tandem riders. For the next two years, with the help of his wife, friends and employees, Bill designed and built 14 prototype tandems, improving each time. Finally, in 1978, the first Santana tandem was delivered. By 1980, even before a catalogue was published or advertised, Santana was already the world's largest manufacturer of lightweight tandems. A leading position that Santana is still consolidating today through constant innovations.

A little later, Wolfgang Haas in Germany also discovered his passion for tandem. Since 1983, he made his first extended tandem tours through Europe and later in the USA. He first read about Santana in an American bicycle magazine and was soon the proud owner of one of the first tandems imported to Europe. Since 1988, Wolfgang Haas has been Santana's exclusive distributor for Germany and Europe.

Extensive tours with the tandem and triplet in New Zealand, USA, Finland, Sicily, Spain and most recently also Asia were and are on his agenda. He has organised a tandem meeting every year since 1992 and takes part in other international tandem events/tours every year. This underlines his enthusiasm in the "tandem world".



# TANDEM MODELS



*Evolve*



*Synergy*



*Journey*



*eSCape*



*Nuovo Sport*



*Smooth*



# TANDEM MODELS

## For short trips, or the lifetime investment.

Santana offers different tandem models for various needs. From the high-end tandem to the entry-level model, we will build the tandem of your dreams. The new generation of tandems does away with the lateral tube without compromising frame stiffness while reducing frame weight.

In addition, the new frame design uses common component standards for bottom brackets, seat posts (31.6 mm), stems and headsets (1.5") wherever possible. This especially makes it easier to get spare parts when travelling. The eSCape, Journey, Synergy and the Evolve are also available with Santana's Z-couplings for easy travel with the hard case.

Each tandem model can be individually equipped with components. Some examples are listed below, while other options can be customised via our online tandem configurator. For example, a straight MTB, or trekking handlebar can be chosen for the Captain handlebar instead of the racing handlebar. For tandem riders who like to travel, we recommend mounting a luggage rack and lowrider.

The model-specific equipment is the recommended or standard equipment.

### Basic features:

- ❖ Electric drivetrain Shimano Ultegra Di2
- ❖ Transmission ratio range like previous 3x10 shifting
- ❖ Chainrings 34/50 alternatively 36/52
- ❖ Cassette: 11-speed 11-40 teeth, alternatively 11-42/11-46/11-34
- ❖ 10" disc brake 4th generation rear

### Pro features:

- ❖ Carbon crank set
- ❖ Spinergy system wheels
- ❖ Carbon handlebars and seat posts
- ❖ And much more...

# ESCAPE

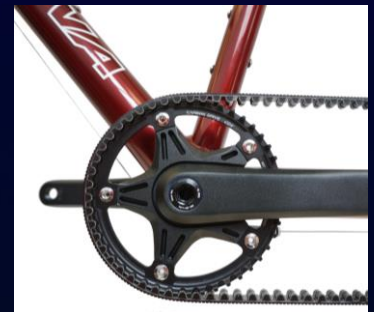
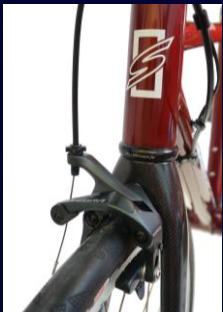
*The new "eSCape" (evolution SCandium with new "open-frame" frame design) is the evolution of the previous Santana aluminium Scandium tubeset.*



The extremely rare metal scandium adds amazing strength to the already high-quality 7005 aluminium alloy, making it stand comparison even with titanium. The frame consists of seamless drawn, end-reinforced (buted) tubes in an even larger dimension. This results in an ovalised bottom tube with a width of just under 80 mm (previously 65 mm). By eliminating the lateral tube, the frame weight is reduced by 25 %, so that the frame now weighs less than 2.4 kg. In addition, the new bottom brackets (inner brackets) contribute another pound to the weight reduction.

The eSCape is already equipped as standard with the low-maintenance carbon synchronous belt from Gates as well as a 10" disc brake that reliably brakes the tandem even on longer descents.

- Frame: Scandium 7005 Aluminium, 20/10/20 butted – requested paint finish
- Fork: Full-carbon tapered 1,5" > 11/8" for road bike rim brake, optional carbon fork with 10" disc brake
- Wheelset: 28", Tandem hubs 160 mm spacing symmetrically spoked
- Brakes: rear 10" disc brake 4. gen./ front Shimano Ultegra Dual-Pivot-Caliper, optional 10" disc brake
- Shifting: Shimano Ultegra Di2 2x11
- Weight\*: 13.8 kg



\*basic features without pedals



# JOURNEY

*The Journey is Santana's new titanium frame based on the "open frame design".*



By using wider BB386 bottom brackets, oversized bottom tubes can be used, which improve lateral stiffness despite the elimination of the lateral tube. The lateral stiffness and the associated comfort create a feeling of riding on clouds, for which Santana's Titan tandems are known worldwide. The use of high-quality titanium tubes make the Journey frame lighter than most carbon frames!

Titanium is the material of choice for tandem travellers due to its hard-wearing surface, durability and comfort.

Frame:	Titanium 8/4,5/8 butted
Fork:	Full-carbon tapered 1,5" > 11/8" for road bike rim brake, optional carbon fork with 10" disk brake
Wheelset:	28", Tandem hubs 160 mm spacing symmetrically spoked
Brakes:	rear 10" disk brake 4. gen./ front Shimano Ultegra Dual-Pivot-Caliper, optional 10" disk brake
Shifting:	Shimano Ultegra Di2 2x1
Weight*:	14 kg



\*basic features without pedals

# SYNERGY

*The Synergy - harmony of carbon and titanium.*

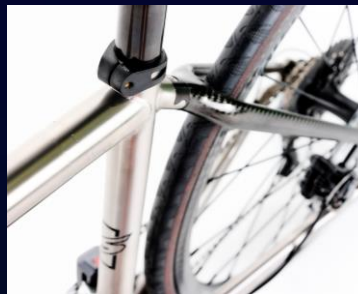
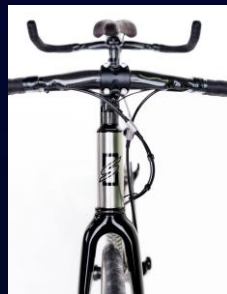




Based on the Journey frame, the Synergy is made from the industry's unique seamless double-buttet titanium tubeset, specifically designed for tandem use. The comfortable titanium frame maximises lateral stiffness, while the weight is comparable to some carbon frames.

The Synergy frame combines the two highest-quality materials in bicycle construction, carbon and titanium. The carbon seat posts, the carbon seat stays as well as the carbon incorporated in the titanium down and bottom tube provide for the pleasant vibration-damping property in addition to the visual highlight. The ExoGrid® technology also improves the lateral frame stiffness without adding weight. Touring riders in particular rely on the comfort-enhancing and yet efficiency-increasing effect of the combination of both materials.

- Frame: Titanium/Carbon ExoGrid®, 8/4,5/8 resp. 11/6/11 butted
- Fork: Full-carbon tapered 1,5" > 11/8" for road bike rim brake, optional carbon fork with 10" disk brake
- Wheelset: 28" (Image with Spinerity carbon wheelset), Tandem hubs 160 mm spacing symmetrically spoked
- Brakes: rear 10" disc brake 4. gen./ front Shimano Ultegra Dual-Pivot-Caliper, optional 10" disk brake
- Shifting: Shimano Ultegra Di2 2x11
- Weight\*: 13.9 kg



\*basic features without pedals

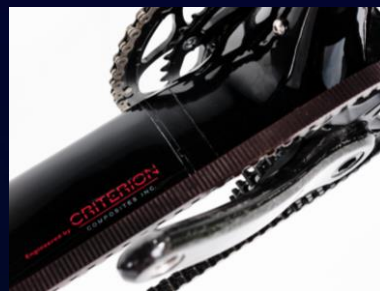
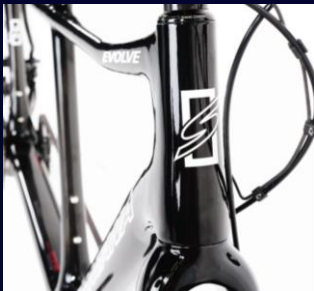
# EVOLVE

*The first monocoque carbon tandem worldwide!*



A carbon frame designed to suit requirements offers endless possibilities for optimising stiffness and weight. For this reason, it is also the preferred method for first-class solo road bikes. Now Santana has developed a state-of-the-art, monocoque tandem carbon frame in collaboration with Criterion Composites in California, a company that specialises in carbon. This development not only offers a stunning design and an amazingly low weight, but also results in the most comfortable built tandem ever due to the special alignment of the carbon fibres. The Evolve is based on Santana's open-frame design with oversized bottom bracket tubes and a lower top tube. This results in an overall lower frame height, so that even smaller people can be seated with comfort. The carbon fork with 1½" tapered steerer tube is designed to fit flush with the integrated headset.

Frame:	monocoque carbon
Fork:	Full-carbon tapered 1,5" > 11/8" with 10" disc brake, optional carbon fork for road bike rim brake
Wheelset:	28" Spinergy wheelset, Tandem hubs 160 mm spacing symmetrically spoked
Brakes:	front/rear 10" disc brake 4. gen., front optional Shimano Ultegra Dual-Pivot-Caliper
Shifting:	Shimano Ultegra Di2 2x11
Weight*:	12.6 kg



\*basic features without pedals



# SMOOTH

*Symbiosis of simplicity and flexibility.*



Thanks to the Stoker telescopic seatpost and the easy "handling" with straight handlebars, the Smooth can be used universally. The stepless NuVinci hub shifting combined with the durable carbon belts from Gates make the Smooth a low-maintenance and robust all-rounder. A high-quality and robust aluminum frame and puncture-proof, comfortable 26x1.5" tires complete the Smooth. The frame is available in green and blue, depending on availability.

Due to the lower frame height, children can already ride comfortably without a children's crankset. Whether to pick up the kids from school, or for the joint trip to the beach - the Smooth is the perfect tandem for flexible use in everyday life and leisure.

- Frame: 7005 Aluminium, 20/10/20 butted
- Fork: Santana CroMoly MegaSize™ 1 1/4" für V-brake rim brake
- Wheelset: 26"
- Brakes: V-Brake front, 8" mechanic disc brake rear
- Shifting: NuVinci N360 stepless hub shifting
- Weight\*: 16.9 kg



\*basic features without pedals

# NUOVO SPORT

*A "high performance" racing and touring tandem from Santana's entry-level program that you can afford.*





The Nuovo Sport scores in the first respect by an affordable price. The 7005 aluminum frame with large-dimension oval bottom tube is designed for the high loads of tandem riding. Despite the in its frame class leading lateral stiffness and durability, the frame remains surprisingly light due to the seamless drawn and end-reinforced (butted) tubes.

Standard equipment features a well-matched selection of components so that performance, value and reliability are offered at a low price.

Frame:	7005 Aluminium, 20/10/20 butted
Fork:	Santana CroMoly MegaSize™ 1 1/4" for V-brake rim brake
Wheelset:	28", Tandem hubs 160 mm spacing symmetrically spoked
Brakes:	V-brakes, optional 10" mechanic disc brake 4. gen. rear
Shifting:	Lever shifter & Front derailleur Shimano 105, derailleur Shimano MTB 3x10
Weight*:	16.3 kg



\*basic features without pedals

*An attractive choice  
for more relaxed  
tandem rides.*





# E-Tandem



Santana tandems can be optionally equipped with an e-drive. The choice is between the enduring front-wheel drive from Ansmann and the lightweight add-e friction roller drive.

With the Ansmann drive, the battery is placed on the bottom bracket tube or lateral tube with an optimized center of gravity. The support is provided by a powerful electric motor in the front wheel hub.

The lightweight add-e drive is located between the chain stays behind the Stoker bottom bracket and generates the thrust via the contact on the tire.

The smallest battery variant of the add-e drive weighs less than one kilogram. The assistance levels of both drives can be operated via a handlebar display.

The usual gear ratio remains with both types of E-support. Furthermore chain and sprocket are relieved.

More detailed information about the E-drive can be found on our website.





For joint adventures  
on gravel roads.





# Graveltandem

The tandem models eEscape, Journey, Synergy and Evolve can be individually configured as a gravel tandem. Equipped with lightweight carbon fork, robust thru axles and the 10 inch brake discs from Santana, the tandem is easy to keep under control even on gravel roads.

The robust wheelset with HX 531 650B (27.5") rims from DT Swiss and high-quality Hadley hubs can be mounted up to 47 mm wide off-road tires. Optionally, the tandem can be added with a luggage rack, lowrider and mudguards on the existing attachments. The suspension seatpost from Cane Creek provides more comfort for the Stoker.



*Family and friends on  
one bike!*



# Cabrio Triplet

There are occasions when even a tandem is not enough. A triplet offers space for three people and thanks to special children's cranks, even the youngest can pedal along diligently. Santana built the first triplet back in 1979. More than 40 years later, Santana has improved many things, built hundreds of them and is the only manufacturer in the world that produces triplets in series.

The frame of a triplet needs to be stiff and stable enough to withstand the loads. In addition, the frame needs an adapted steering geometry for stable and safe steering. To achieve this, Santana uses seamless drawn, thin-walled butted (end-reinforced) tubing in a custom Megasize™ edition.



# Frame size

## Tandem frames are adjustable.

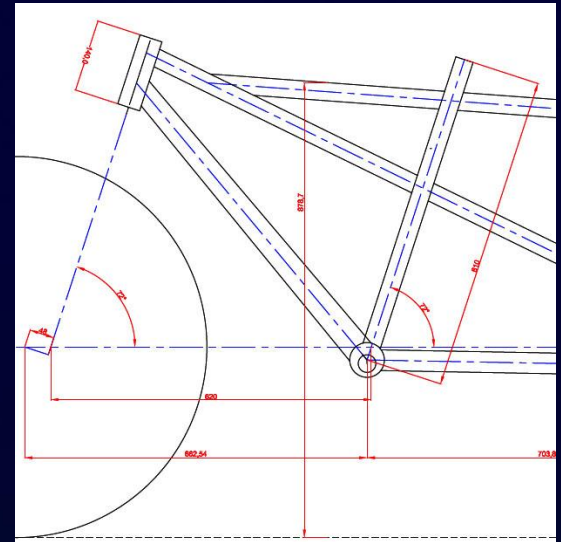
It is not necessary to ride the same frame height and frame measurements as the solo bike. By following the size chart on the right, you can choose the tandem that is most comfortable and efficient for you. Do not hesitate to call us if you have any questions.

Santana indicates frame sizes as today also most (MTB) manufacturers in Small, Medium and Large.

Often tandem couples think they need an individual custom frame because they are different sizes. However, Santana standard frames compensate for exactly these size differences. The unique adjustability, ergonomics and wide range of frame heights allows 90% of buyers to ride a standard frame!

The frame size is primarily based on the size of the Captain. The backward declining top tube offers the Stoker additional clearance. For this reason, even small riders, under 155 cm height can easily take place on most Santana standard frames.

The captain (front man/woman) holds the tandem when starting and stopping, while the stoker (back man/woman) remains on the pedals. Stokers quickly learn that the easiest way to climb aboard is to step on a pedal and swing a leg over (while the captain straddles and holds up the bike)—just like getting on a horse. Meanwhile, the captain holds the tandem.

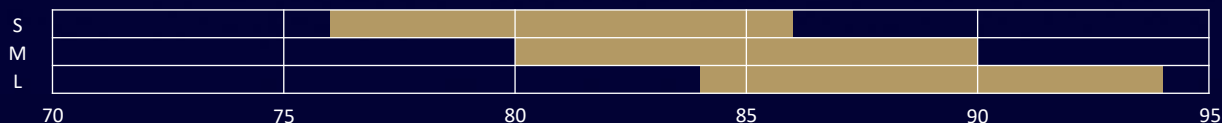




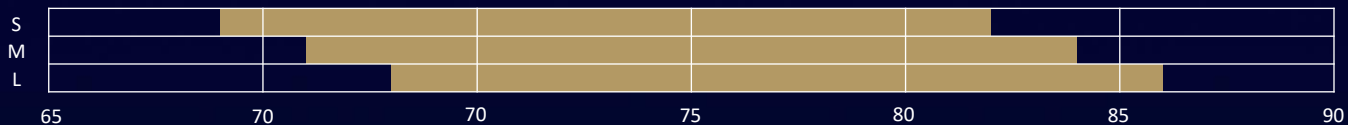
Therefore, the only size restriction is how high and how low the seatpost can be adjusted. The size chart for the Stoker shows two different scales. An even larger adjustment range is offered by an unsuspended seatpost. The adjustable Stoker stem allows an individual adjustment of the handlebar.

Generally, the best choice is the frame height where your leg length is roughly in the middle of the scale.

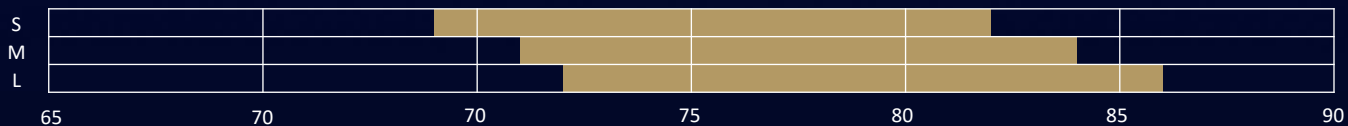
CAPTAIN leg length (in cm)



STOKER leg length with unsuspended seatpost (in cm)



STOKER leg length with suspension seat post (in cm)



# Test ride

**The purchase of a high-quality Santana tandem does not result from a spontaneous decision to buy.**

We recommend you to choose the best tandem for you before buying by test riding different models and a detailed consultation. If you have never ridden a tandem before, you will completely experience cycling as a couple on your first ride and have a lot of fun. We would like to familiarize you with the right riding technique so that your first ride will be an unforgettable experience. Two options are currently available for you to take advantage of our individual advice and knowledge as tandem experts.



On the one hand, you can arrange a consultation appointment and a test ride in Rosenheim, where our store is located, at any time without obligation. Contact us by e-mail via the contact form on our website or call us at the phone number listed in the imprint.

Furthermore we offer a tandem test weekend at different locations in Germany. From Friday to Sunday you can test several Santana tandem models and get enough time to familiarize yourself with tandem riding. When a tandem test weekend will take place, you can find out on our website under "News" or in our newsletter.







Santana Classic



# SANTANA CUSTOM

## "The bike for life!"

Some tandem buyers would of course like to customize their desired tandem with individual fittings. No problem! If the standard configuration options are not enough, we will gladly help you with our expertise to realize your individual wishes.

The new computer aided production makes Santana more flexible and allows us to deliver custom frames within three months. Whether it is a special geometry, the frame size, special braze-on parts or a special paint job, Santana realizes almost all wishes. Santana has the experience as well as the material and the machines to build you an individual dream tandem out of aluminum or titanium.

Besides the standard models, Santana also builds MTB tandems and quads. Since the demand here is relatively low, these models are manufactured only on request.



# DISASSEMBLABLE TANDEM

## Transport by car, train, bus or plane? No problem with a Santana Tandem!

You want to take your tandem on vacation and wonder how to transport it? The disassemblable tandems from Santana offers you the uncompromising and elegant solution.

To do so, the Santana frame is split at four couplers and can be packed into an oversize suitcase in about 30 minutes. Unlike other folding tandems, a Santana disassemblable tandem is a full high performance tandem. The brilliant construction of the frame consists of four Z-couplings, a sophisticated interlocking at the end of the tube, as well as the oval coupling at the down tube. To divide and assemble the couplings, only a standard Allen wrench is needed.



Santana's in-house developed Z and Oval couplings save about 500 grams on the frame compared to the S&S couplings used by other tandem manufacturers.

A complete Santana 28" tandem with rack can be packed in a suitcase of size 84x70x40 cm (approx. 25 kg)! Only an additional weight of 400 g is due to the couplings compared to a tandem without couplings. You can transport the disassemblable tandem everywhere without any trouble, whether in the car, in the train or as airplane luggage. The disassemblable option is available for the models eSCape, Journey, Synergy and Evolve.

Santana's new couplings reduce weight and make assembly easier. On the titanium models, the titanium couplings are welded in with the highest precision and are almost invisible visually. On the aluminum and carbon frame, the anodized aluminum couplings are glued to the tube by special processes, optically inconspicuous (depending on the paint).





Synergy



# UPGRADES



## Di2 Shimano – electric shifting

- ❖ Fast and precise shifting
- ❖ Synchroshift automode
- ❖ Easier handling for disassemblable tandems
- ❖ Less maintenance



## Luggage rack and mudguards

- ❖ Various luggage carriers made of stainless steel or CroMo for up to 26 kg loading.
- ❖ Perfect for transport with panniers in everyday life and on trips
- ❖ Mudguards provide splash protection in wet and muddy conditions



## Lowrider

- ❖ The "low" luggage rack is attached to the front of the fork and can carry another 18 kg
- ❖ Due to the low center of gravity, even heavy luggage has little effect on the steering behavior.



## Spinergy system wheelset

- ❖ Carbon or aluminum rims available
- ❖ Equipped with 24, or 28 PBO fiber spokes which at 3 times the strength of steel spokes bring only half as much weight on the scale.
- ❖ Extremely robust and durable



## Kids crank

- ❖ Shortened crank length
- ❖ Verschiedene Höhen einstellbar
- ❖ Different heights adjustable
- ❖ For children from an age of approx. three years
- ❖ Safe riding fun for every child

# ACCESSOIRES



## Santana jerseys Race/Comfort Unisex

- ❖ Durable and breathable fabric
- ❖ Full length zipper
- ❖ 3-piece back pocket
- ❖ Waterproof insert pocket (Race)
- ❖ Size: XXS – 3XL

Material: 100 % Polyester  
Elastic ribbon: 80 % Polyester 20 %  
Elastane

 Made in Italy



## Bicycle gloves long/short

- ❖ Ultimate grip in dry or wet conditions
- ❖ Ergonomic fit
- ❖ Material: Kangaroo leather / Lycra / Polyurethane / Nylon



## Santana bike socks

- ❖ Made from the high-performance fiber Meryl-Skinlife®.
- ❖ Antibacterial and smell-retardant due to extremely fine amounts of woven-in silver
- ❖ Fast drying
- ❖ Allergy friendly

 Made in Italy



## Santana cycling bottle with magnetic holder

- ❖ Easy to click and twist off the bottle
- ❖ No need to remove the bottle holder when packing into the tandem case
- ❖ Bottle volume: 600 ml





Smooth

# **SANTANA** Europe

Fahrradtechnik Haas GmbH

Santana Europe

Weinstraße 3

83022 Rosenheim

Germany

Phone: +49 (0)8031 14573

E-mail: [info@santana-tandem.com](mailto:info@santana-tandem.com)

Web: [www.santana-tandem.com](http://www.santana-tandem.com)



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