



All-wings
SUPER BIKE SADDLE

INNOVATION RUNS FAST
WE RUN FASTER



www.all-wings.com.tw



100-km is just a warm-up, 500 km is the goal.

We reconfigure the human body and bicycle to create an innovative bike saddle. It guards your health, raises your limits and makes you stronger. Both of innovative saddle design and cycling mechanics significantly improve the efficiency of pedaling.

The center of the saddle sinks completely. Whether you're on 24 hours cycling or 500 km challenge, there isn't any pressure on the perineum, which greatly reduces the burden on the legs and allows you to ride faster, longer and further. Every cyclist can surpass all his own peak records easily after proper practice.

All-wings is not only loved by local cyclists, but also affirmed and strongly recommended by physicians who are also cyclists. Because it has been proven in many cases that All-wings saddle is the solution to many perineum and prostate diseases.

There are distributors or agents already in some countries now. And we are actively looking for agents all over the world. Respond to the revolution of bike saddle together.

All-wings saddle Taiwan

Awards:

- 1. 2017 Taipei Int'l Invention Awards
The Platinum Award
- 2. 2018 Taiwan National Invention Awards
The Silver Awards
- 3. All-wings saddle has been permanently collected & displayed at the National Science & Technology Museum of Taiwan since 2019.



Patent no.

Taiwan

M442310 M451293 I 429553

M522890 D176818 I 486277

CHINA

ZL 2013 2 0047201.8 ZL 2013 1 0146864.X

ZL 2013 1 0184826.3 ZL 2013 1 0146967.6

USA

US 8,944,501 B2

JAPAN

1560611

EU

13161852.2-1760 < on patent >



Ninja black



Forged carbon fiber
Bright



Forged carbon fiber
Matte



Ninja black



White & black



Celeste & black



evo³
Falcon



Yellow & black

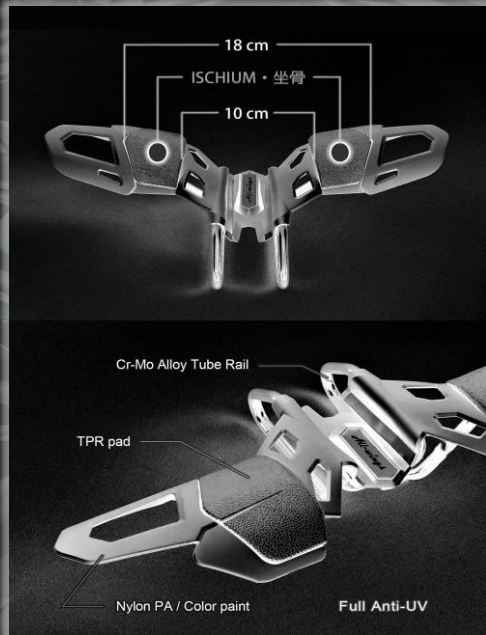


Soft cover





evo4
SUPER HORNET



Material



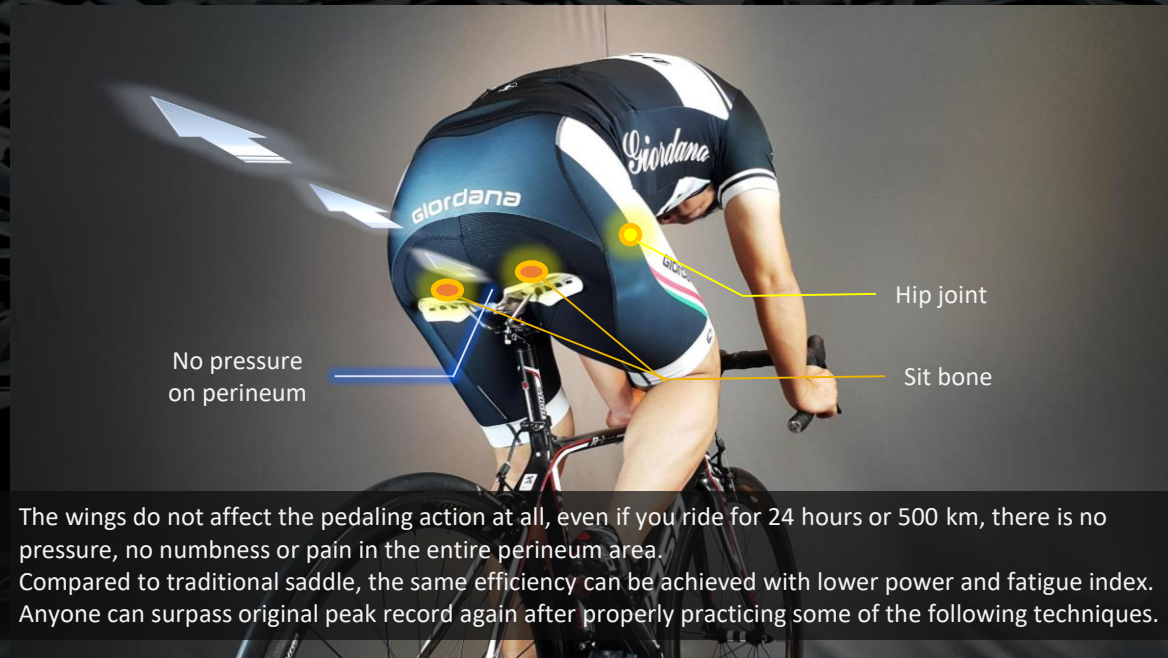
UV resistance

30(W) x 14(L) x 7(H) cm Net weight: 207g Max load: 100kg



Extremely flexible & strength





The wings do not affect the pedaling action at all, even if you ride for 24 hours or 500 km, there is no pressure, no numbness or pain in the entire perineum area. Compared to traditional saddle, the same efficiency can be achieved with lower power and fatigue index. Anyone can surpass original peak record again after properly practicing some of the following techniques.

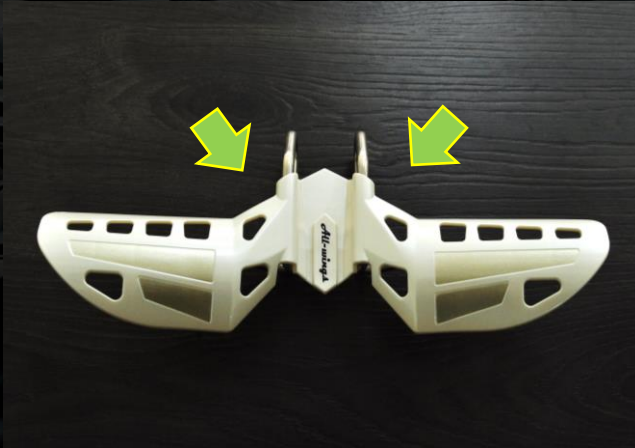
Pressure Transfer

The design of All-wings is to completely transfer the pressure of the perineum caused by the traditional saddle to the ischium on both sides, and the ischium is the part where the entire pelvic cavity can bear the most impact. Even if the sitting point moves back and forth with changes in terrain and riding posture during riding, the central area is completely hanged without any pressure, and all the pressure obviously falls on the sit bones on both sides.

Since all riders have long been accustomed to the traditional saddle, All-wings has no nose, so beginners may feel uneasy because there is no pressure or rely on the crotch at the beginning. It may take some time for some cyclists to adapt it.



Left and right positioning

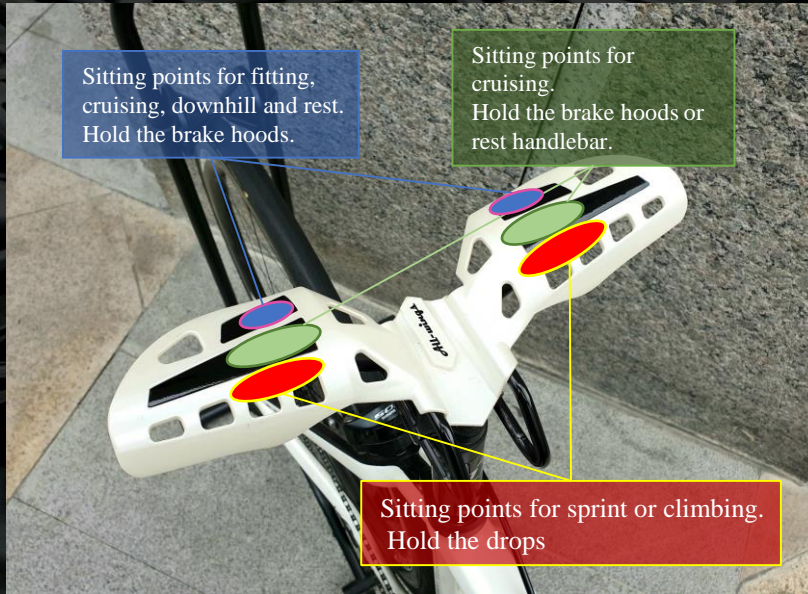


The rail extending forward and downward forms an angle of about 90° with the wings. When riding, the rail will not interfere with the pedaling action of the legs at all.

When push down, the thighs are deliberately moved inward, it plays an obvious role in positioning and provides the satisfaction required by the legs.

Cyclists who are accustomed to the nose-clamping action when cycling downhill in a curve also benefit of the rail contact as they did previously with the nose saddle.

Shift of sitting points



The common experience of many people when sitting on the conventional saddle is at the beginning of the ride, the hips were indeed sitting on the saddle evenly, but after a period of time, in order to reduce the pressure of the perineum, some cyclists always sat on the side of the saddle.

All-wings saddle allows you to sit in a stable manner throughout the whole journey. The two ischial bones are equally stressed. With the change of riding posture, the forward and backward movement of the sitting point can simultaneously achieve the purpose of reducing the pressure on the sit bones.

The pressure of the perineum and hip ischium is the lightest when bending down and holding the low bar to sprint.

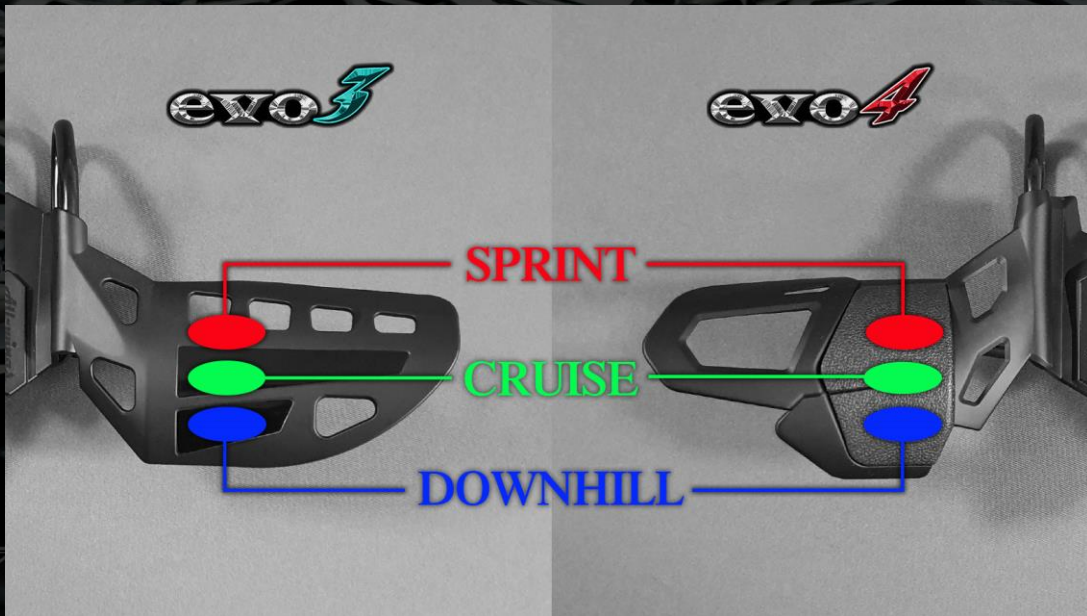
evo3

evo4

SPRINT

CRUISE

DOWNHILL



New cycling mechanics



The right leg starts early to output force from the 12 o'clock position to the 5 o'clock position. Because the wings are against the root of the left thigh to prevent the body from sliding backward, the pedaling kinetic energy won't be lost any more, when the left leg outputs in a same manner. The action of pedalling is similar to muscle use while running.



Function & skill

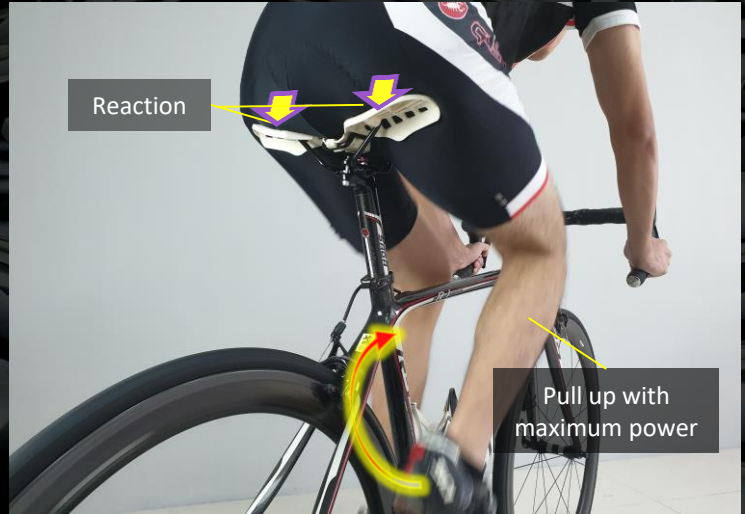


Pull up

Many cyclists said that when using conventional saddle, they always pull up the pedal only when they get up, and they will not pull up when sitting. Everyone can't abuse themselves. Because the force of pulling up is proportional to the pressure of the perineum. Pulling up does indeed often cause a spin off situation in which the rear wheels lift off.

So please sit and pull up. When the right leg is pulling up, the reaction force falls on the left hip ischium, which completely avoids the perineal oppression. Your body weight firmly presses the bike through All wings saddle, so no matter how hard you pull up, the rear wheel will not be lift and the kinetic energy output won't be reduced.

Your biceps femoris will be trained to this new exercise, and you will be able to ride a long distance uphill by sitting and pulling up.



Cycling uphill



Use the trainer and small stool to simulate the angle of uphill, then try to keep pedaling.

The wings against the rear of the thigh already prevent the body from sliding backwards.

It's not necessary to stand up and pedal. You can sit, then push down and pull up throughout the uphill journey.

Even if you let go of your hands, your body will not slip backwards. Kinetic energy won't be lost any more.

All-wings will help you to recover the kinetic energy that should not be lost.



Even if you hold the lower handle all the way uphill, there is also no pressure on the perineum.

All-wing

T2 transition

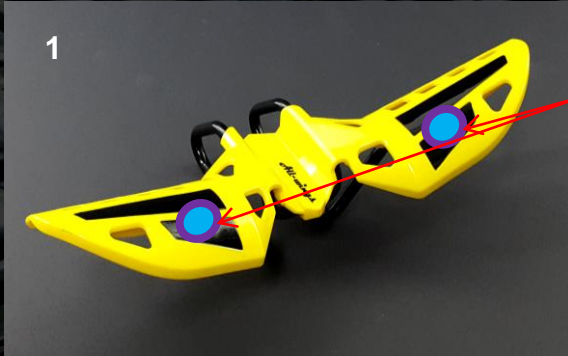
During the triathlon race, starting from an appropriate distance before the transition, sit and pull-up output instead of push-down output, it allows the quadriceps to have sufficient rest time until it reaches the transition. Your legs won't be weak, and you don't need others to help you to convert to running anymore.

This is the biggest advantage of the All-wings saddle used in triathlon.



Installing & Fitting Guide

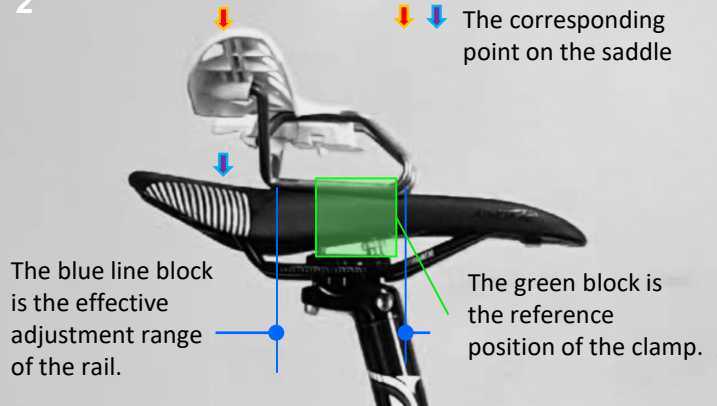
1



1. The blue area is the correct ischial contact point.

2. All-wings saddle compared with traditional one, their effective adjustment range of seat rail are overlapped completely. The corresponding points of the ischial bones of the 2 kinds of saddle are also overlapping. Before removing the original saddle, it is recommended to initially compare the installation location.

2

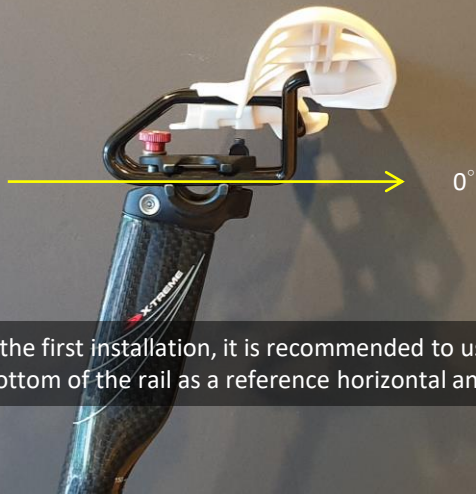


The corresponding point on the saddle

The blue line block is the effective adjustment range of the rail.

The green block is the reference position of the clamp.

3



For the first installation, it is recommended to use the bottom of the rail as a reference horizontal angle.

4

Full leg straight



Once the cyclist seats properly on the All-wings saddle, the heel has to be aligned with the center axis of the pedal, while the pedal is at the bottom dead position, and the thigh and the calf are fully extended. When the ischium sits on the blue area (refer to Fitting Guide - Step One), the heel must be able to step steadily on the pedal. You have found the ideal height.

Saddle height setting



The apex of the yellow triangle is the axis of the pedal.

We recommend the cyclists who use All-wings saddle for the first time to lower this ideal height by 1 to 2 cm, which will make it easier for you to adapt to All-wings saddle in the early stages. After each 50 km riding, fine-tune the height upwards. Adjust 0.5 to 1 cm each time.

5



Saddle height setting

▲ The apex of the yellow triangle is the axis of the pedal.



After stepping on the pedaling position, the thigh and calf appear slightly curved.

6



After the cyclist sit on correct point of the All-wings saddle, the heel is stepped on the pedal axis, and the pedal is held at the 3 o'clock position. The calf bone area should be perpendicular to the ground.

Saddle forward/backward position setting



The position of the saddle is the ideal position. We suggest that you can fine-tune the saddle position based on your personal riding habits and feelings.

7



Saddle forward/backward position setting



The angle between the front edge of the knee and the plumb line is about 15° .



After completing step 7.

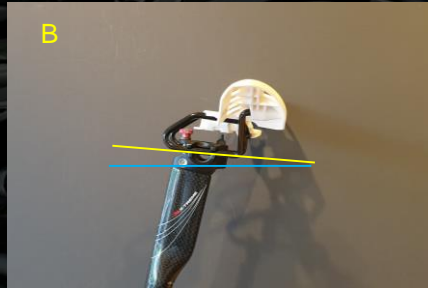
The geometry setting below the waist is almost complete. Don't move your hip, your elbow is slightly bend and your hands cannot hold easily on the brake hood, it means the frame size is too big. **It is necessary to replace the shorter stem not just move saddle forward.**

Otherwise... this will cause numbness in both hands during long rides or cause your body to bouncing when you pedal on high frequencies, or your body always slips forwards.

Setting of angle

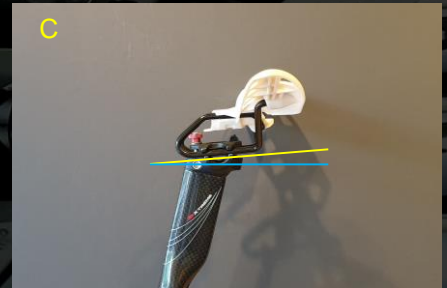


A. At the beginning, it's installed horizontally based on the bottom of rail.



B. If the body is easy to slip forwards, adjust the angle like this. After fully adapting to All-wings saddle, adjust back to the horizontal angle.

— The bottom of rail
— Horizontal line



C. After adapting All-wings saddle completely, this angle of installation is suitable for racing cyclist and time trial bike.

Q & A

When users found the following scenario while riding ...

Q1. Body slips forward easily, can not sit at stable positions.

A:

1. adjust saddle tilt angle slightly backward.
2. lower the seat post.
3. Move saddle backward.

Q2. Shoulders and arms being stressed and feel hard.

A:

1. adjust saddle tilt angle slightly backward.
2. lower the seat post .
3. Move saddle backwards.
4. Replace a shorter stem.

Q3. Genitals or inner side of legs rubbing saddle surfaces

A:

1. lower the seat post or move the saddle backward.
2. It could be backwards seated. Move the body forwards.
3. adjust saddle tilt angle slightly forwards.

Q4. Uncomfortable feeling of legs during paddling

A:

1. lower the seat post.
2. It could be backwards seated. Move the body forwards.
3. adjust saddle tilt angle slightly forwards.

Q5. After riding for a while, your hands will be numb...

A:

1. This condition may usually be the result of straightening your arms while riding, and it is recommended that your arms should be slightly bent when riding.

2. The distance from the saddle to the brake hooks is too long. This is usually caused by the length of the top tube is too long. It is recommended to replace a short stem to solve the problem. All-wings bike saddle design was improved from conventional one. Bikers must try to adjust best positions repeatedly to obtain best experiences.

CAUTION

Precautions for usages under cold and dry weather conditions.

This saddle is made of nylon, it shows tough and flexible physical properties under common humidity environment since nylon was good absorbers of water particles.

However, when moisture under 40% or temperature under 0 ° conditions disappeared, nylon could be becoming hard and fragile. This symptom could be found when saddle exposed to cold and dry air conditions for long time.

An easy way to examine the saddle condition is to press the saddle surface lightly by hands.

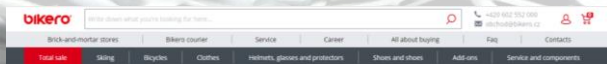
In consideration of safety, please do not use the saddle if fragile feeling appears on hands.

An easy solution is to soak the saddle in warm water (temperature between 40 °C ~ 50 °C) for 30 min ~ 1 hours ... thereby the saddle could recover its initial conditions.

★★★★ Do not use boiling water. ★★★★★

The rail has an anti-rust surface, but for people who sweat a lot, the sweat is corrosive. It is recommended to clean and maintain the rail with anti-rust oil.

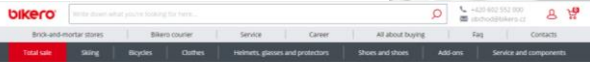
Highly recommended
by Czech physicians



What do our customers think of the All-wings saddle?

A saddler stuck right up your ass? Oh, no. Pioneer

You're going to need time, patience and an imbue in your passion over the visual impression to others that your seat is stuck in. Installation of the saddle, you will receive a set of practical advice humbly and subsequently gradually lower the seat. And I'm finally dividing line between "I'm going to throw it in the river" and "I'm

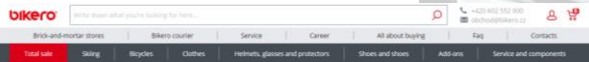


"The all-wings saddle is a pioneering concept that I believe is remarkable not only for me."

I don't advertise to anyone. I like my favorite brand of
The all-wings saddle is a pioneering concept that I believe



Tomáš Šebek, a surgeon
at the Na Františku hospital, participated in the Boston



"Personally, I am very satisfied with the saddle, I myself recommended the saddle to patients..."

I think the saddle is especially great for recreational riders and could also be used for e-bikes. Personally, I'm very happy with the saddle... I've convinced myself that he doesn't really hurt his ass, as they say. And from a professional health point of view, I would say that people who have problems around the anus, prostate or dam can be helped by this saddle and it can be of great importance to them. I myself have recommended the saddle to patients who I know could once again allow them to run the sport peacefully.



Prof. Jan Pirk, DrSc, cardiologist

"Hello, sometime in 1986 or 1987 during my studies at the Technical University of Liberec within the framework of machine and equipment design, we also addressed the issue of ergonomics, the relationship of man to the device and its operation, the user-friendliness of the design solution. At the time, the professor showed us a short film of how someone went to work and invented the ideal bike seat to perfectly suit a person's body and why they have huge buttock muscles to sit on. And the result of this research more than 30 years ago was a saddle in the form of two small bumps on which the cyclist sat. A hundred kilometers wasn't a problem. It looked strange, but it was definitely a revolutionary solution and a paradigm shift in the concept of a bike and a bike saddle. I didn't know anyone would come back to the idea. Patent protection may have expired, but I'm very surprised. When I saw the saddle in your commercial, I got it right away on my mountain, and I have to say: that's it. The saddle design is a long way from the 2 padded bars I saw some 30 years ago. It's great. And so congratulations on the courage to break the paradigms that are around us. When a few other cyclists try it, they'll understand. Yes, my sporty slender saddle looks very elegant, but ask me about the feelings along the longer route in the field the next day and why on longer routes I get up from time to time and let blood into places where men are particularly delicate... May you and your colleagues tread well on this new journey..."

Jan Brázda

LINK





All-wings saddle community

All-wings saddle Co...

Romel Detuya Casaña
2019年10月22日03:47 · 🌐

I am a new cyclist in Muscat, Oman. I purchased a road bike for the purpose to join a triathlon. Within 3 months of using my bike, I felt pain in my genital area due to the pressure of the saddle in the middle part during cycling. The longer the time I do cycling, the more pain I feel in the genital area. So I decided to look for an alternative saddle in YouTube in order to have comfort while cycling. I found a lot of saddles similar to mine. One saddle that caught my attention was the All-Wings Saddle Taiwan (which had a different style/design). I found it on Amazon and decided to purchase it. During my first use, I didn't experience any pain on my genital area not like my previous original saddle. This was because in the saddle, there was an empty space on the genital area, so it did not cause any pressure. The pain that I experienced is due to the direct contact of the saddle wing. It took using the new saddle bef

以粉絲專頁的身分互動

All-wings saddle Co...

#OMANTRIATHLON

#PHILIPPINESTRIATHLON



以粉絲專頁的身分互動

All-wings saddle Co...

Darryl McNeal
6月15日08:33 · 🌐

Man I love the Hayabusa! Most riders say you have to ride your seat for a while before you get used to the pain but with this seat there wasn't any pain to worry about after riding. So far I've done two hundred miles on the seat without the pain! Changing to this seat was the best decision I could have made.



5.2 mi 88 ft 3h 11m

以粉絲專頁的身分互動

All-wings saddle Co...

百萬吉伯
2019年7月20日14:16 · 🌐

Hello! Guys I would like to share my first ride experience with All-wings saddle Taiwan 🇹🇼. Biking is the best hobbies exercise for me, and other people likely too. Exploring the world from the saddle can be one of the best experiences for me. What are you waiting for? Buy and experience for those in love with biking, explore your lands or where nation you are. Rides with All-wings is a great experience.



以粉絲專頁的身分互動

All-wings saddle Co...

Eli Abrosimov
2019年11月9日21:16 · 🌐

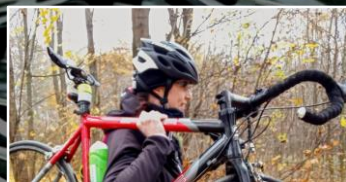
Cold Russian autumn with All-wings saddle. 🍂, Kaliningrad, Russia.



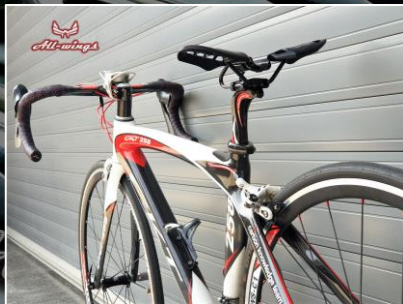
國外網購

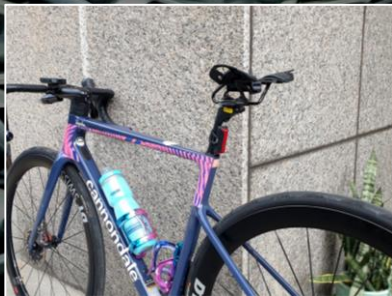
👍 你、曾詩王和其他72人

以粉絲專頁的身分互動











All-wings saddle Taiwan
All-wings saddle community



All-wings



www.all-wings.com.tw



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