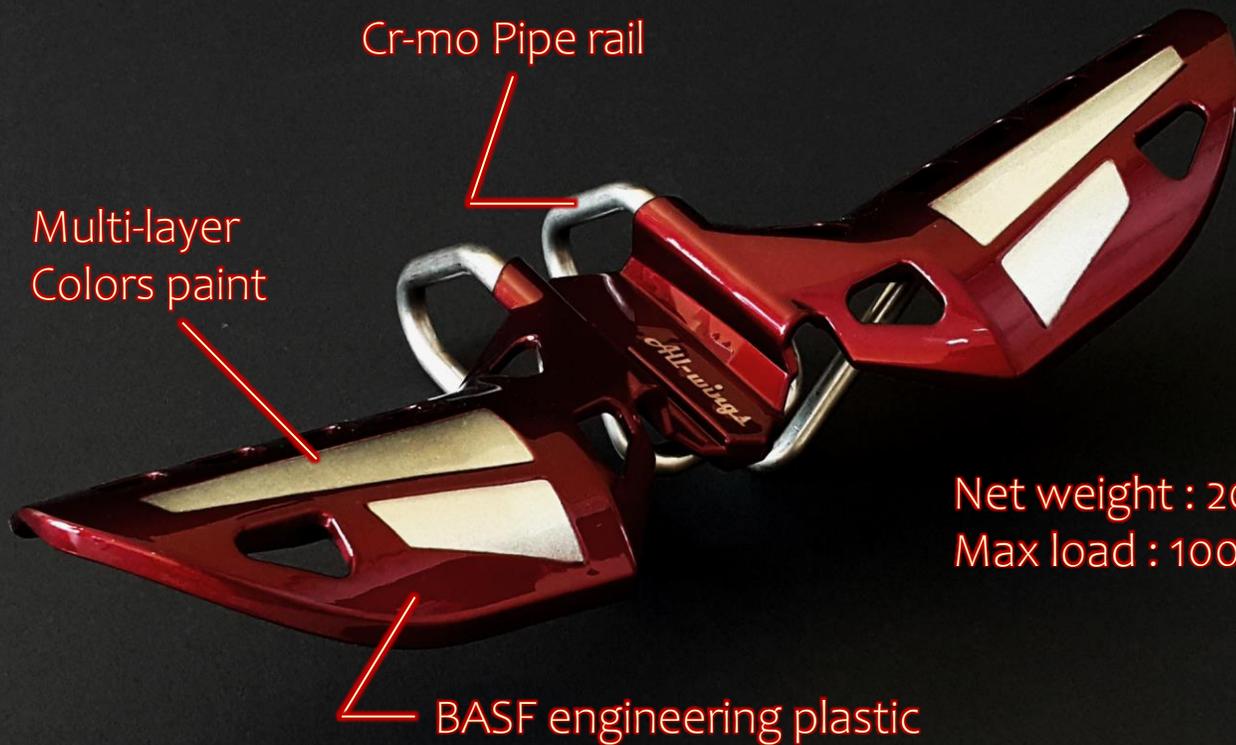


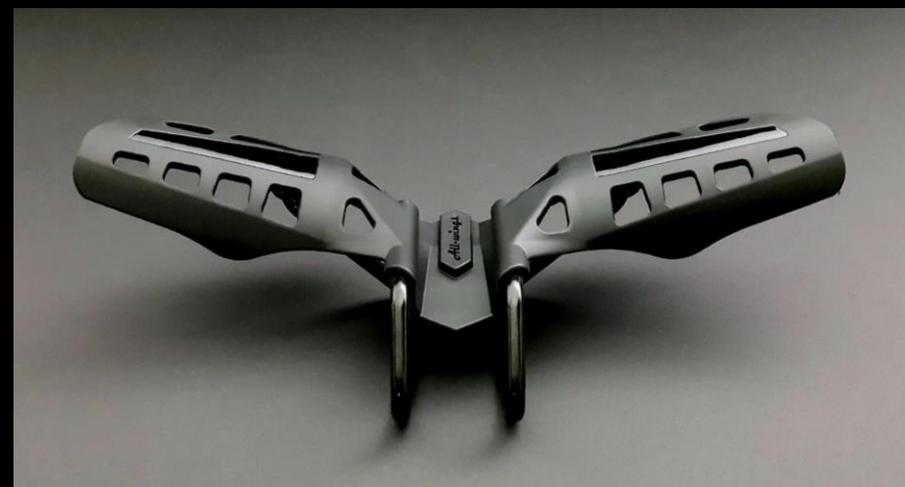
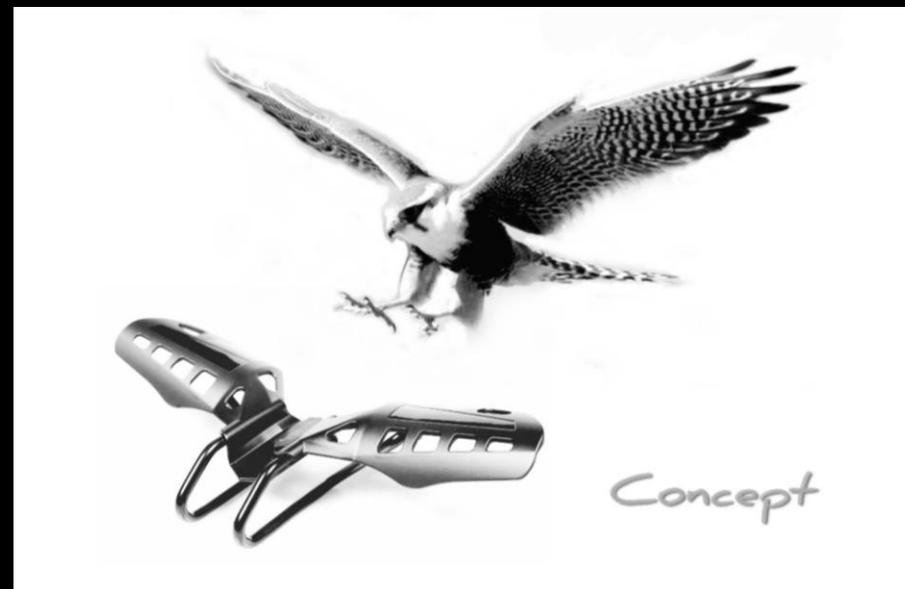
All-wings
Saddle
Taiwan



Falcon



Net weight : 207 g
Max load : 100 kg





Hip joint

The perineum is hanging completely.

The wings won't affect the pushing down action at all. There isn't any pressure at perineum, even you are on 24 hrs or 500 km cycling. No more numbness and pain. Compared with conventional saddles, You just need a less power and a lower fatigue index to achieve the same efficiency with All-wings saddle. Everyone can surpass their original peak records again after properly practicing the following techniques.

Change of sitting points

Sitting points for fitting, cruising, downhill and rest.
Hold the brake hoods.

Sitting points for cruising.
Hold the brake hoods or rest handlebar.

Sitting points for sprint or climbing.
Hold the low handlebar.

All-wings
Saddle
Taiwan

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, they all sat on the side of the crook. .

All-wings saddle allows you to sit in a stable manner throughout the whole journey. The 2 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.

Brand new cycling mechanics-1



The wings won't affect the pushing down action at all. Right leg pushes down from 12 o'clock to 5 o'clock. The wings prevents the body from sliding backward. It against the rear of the thigh already so the pedaling energy won't be lost.

The same is true when the left leg pushes down.



Brand new cycling mechanics-2

The reaction is on the left sit bone when the right leg pulls up.
The same is true when the left leg pulls up.

Biceps femoris is a new exercise program. It can exercise greater strength. You can even sit and pull up during a long distance cycling uphill.



Brand new cycling mechanics-2



Standing and pulling up usually raises the rear wheels, it often causes the loss of pedaling kinetic energy. So sit and pull up even when you are cycling uphill. The design avoids the perineal oppression completely.

The 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.

Brand new cycling mechanics-3

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, it prevents 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.



Brand new cycling mechanics-3



Just hold the handlebar gently and again the upper body will not slide backwards.

There is no pressure on the upper body.

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

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

【 Before the transition 】

During the triathlon race, starting from an appropriate distance before the transition, 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 anymore, and you don't need others to help you anymore.

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



Company: Huga technology enterprise company.

Brand: All-wings

Awards:

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



National Science & Technology Museum

國立科學工藝博物館



Patent no.

Taiwan

M442310 M451293 I429553
M522890 D176818 I486277

USA

US 8,944,501 B2

JAPAN

1560611

CHINA

ZL 2013 2 0047201.8 ZL 2013 1 0146864.X
ZL 2013 1 0184826.3 ZL 2013 1 0146967.6

EU

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