

2019

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# MATERIALS & PRODUCTION

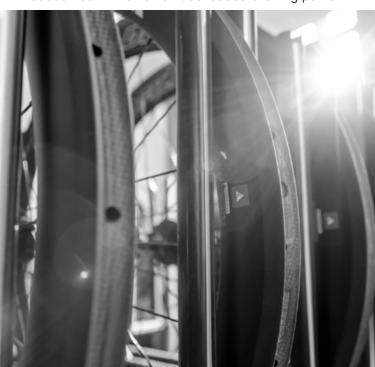


Precision-Engineered Materials Every Step of the Way

## **RESIN**

# Better Modulation, Shorter Braking Distances and Increased Heat Tolerance

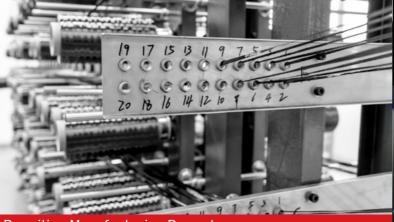
Rather than using the consistently failing attempts at reducing the temperature produced by braking, we rejected what has become accepted practice and instead increased the heat capacity of our materials. Our proprietary high Tg point resin is 30% higher than other "high" Tg resins. A rim that can withstand more heat leads to improved braking performance by allowing consistent heat built up rather than attempting to reduce heat which often decreases braking power.



## **PRE-PREG**

## Maintaining Material Integrity from the Outset

Immediately after fusing the resin and carbon, the pre-preg carbon is frozen to maintain integrity. Each roll is sealed, documented, and placed into a temperature and humidity controlled refrigerator with data tracking that ensures an accurate "first-in/first-out" lean manufacturing processes.



Rewriting Manufacturing Procedures

## **LAY-UP PROCESS**

#### Stiffer, Stronger and More Impact Resistant

How do you improve wheel balance? How can you reduce overall weight? These are the critical points we looked to address when combing through every detail of our manufacturing procedures.

We developed a lay-up process laying the UD carbon 45° from perpendicular to the brake track, resulting in a composite structure that is stiffer and more impact resistant.



Alpine Tested in Harsh Conditions

#### **BRAKE PERFORMANCE**

Reduces braking distance by 28% compared to our Altair models and 30% increase in rim integrity over a market-leading competitor

Specifically formulated to withstand the same heat our rims could take on, our brake pad compound is exclusive for the TwentyFour Series wheelsets. Using a specially formulated rubber compound, durometer and friction agent, we developed a proprietary brake pad resulting in more consistent braking power and reduced braking distances over that of other carbon fiber wheelsets.





trance

**AERODYNAMICS** 

# CFD ENGINGEERED RIM PROFILES

We designed, tested and revised hundreds of rim shapes to find the very nuances that affect crosswind feedback and handling. Manipulating width, width location, depth and conicity, we sorted through months of generated data to select 3 high-performing wheelsets, each with its own distinct characteristics. A 38mm depth suitable for the demands of the open road's dynamic terrain, a 78mm fastest at the wind angles most commonly seen in high-speed time trials and a 58mm with an exceptionally robust drag profile making it the ultimate all-around selection.



# WIND TUNNEL TESTING

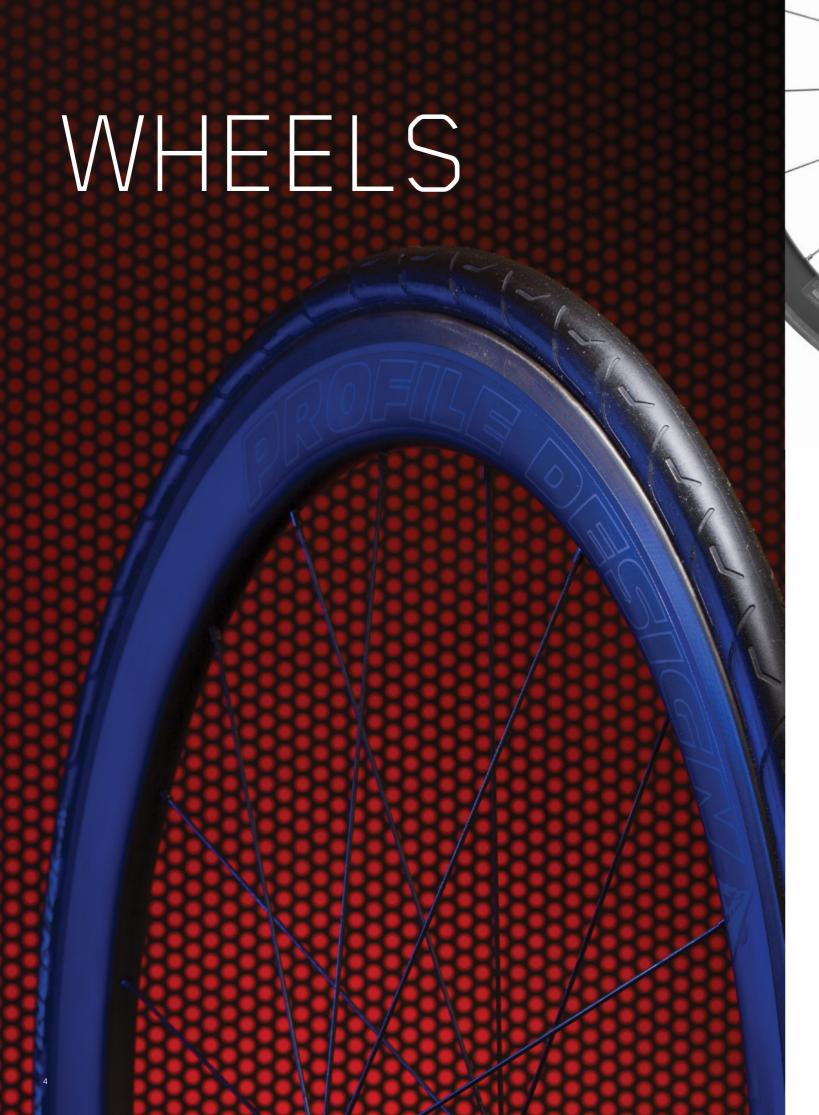
Hundreds of hours in the tunnel, 12 rim profile candidates, 500 platform rotations and 21 data points per reading, we tested using a protocol to pit our wheels against the most challenging environments. Each of our rim shapes performed as predicted, producing results matching, if not exceeding, the tunnel performance of veteran market-leaders.



## **COURSE MODELING**

Wind tunnel tests can tell us how fast wheels are at different angles of attack - but how common are these angles in the courses most important to our riders? Blindly applying tunnel data to the unpredictable force of Mother Nature didn't quite add up to us. We took our tunnel data one step further, and broke down courses from around the world, including the 2012 Masters Cycling World Champs in Pietermaritzburg, mapping wind speeds, angles and race day conditions measuring the performance of our selected rim profiles over hundreds of segments. Where victory can be lost by a tenth of a second, TwentyFour Series wheels, posted significant time savings over competitors.

2 2019 Profile Design





# 1/FIFTY CLINCHER WHEELSET

The 1/Fifty is a wide, deep profile, full carbon aero rim that successfully blends crosswind stability, stiffness and handling while delivering superior heat dissipation and braking performance by utilizing the same ultra high Tg resin and brake pads as the TwentyFour series wheels. The semi-automated carbon lay-up, rim construction and raw materials proven through the TwentyFour series wheels are exemplified in the 1/Fifty rims. By utilizing components optimized for more efficient production, we are able to deliver a performance wheelset at an aggressive price.

Rim Width (Outside)	24 mm
Spoke	SAPIM Race round spoke
Spoke Count	20/24
Hub Compatibility	Quick Release
Weight	Front: 730g - Rear: 884g - Total: 1614g



## TWENTYFOUR SERIES ii CARBON WHEELS



- + High TG resin.
- + Extra stiff hub shell design.
- + CFD and wind tunnel developed proprietary carbon fiber rim.
- + Proprietary precision machined alloy hubs.
- + Sapim CX-Ray spokes with Sapim Polyax double square nipples.
- + Sealed cartridge bearings.
- + Hand-built assembly.

INCLUDES: CARBON-SPECIFIC BRAKE PADS, QUICK RELEASE, VALVE EXTENDERS, SPOKES AND NIPPLES

(2 FRONT, 4 REAR). CLINCHER SETS ALSO INCLUDE: RIM STRIP.

SIZE: 700C X 20H FRONT/24H REAR, RADIAL LACED FRONT, RADIAL LACED NON-DRIVE/2X DRIVE REAR

UD CARBON FINISH, BLACK HUBS, BLACK SPOKES, WHITE OR BLACK LOGOS COLOR:

# TWENTYFOUR SERIES ii CARBON DISC BRAKE WHEELS

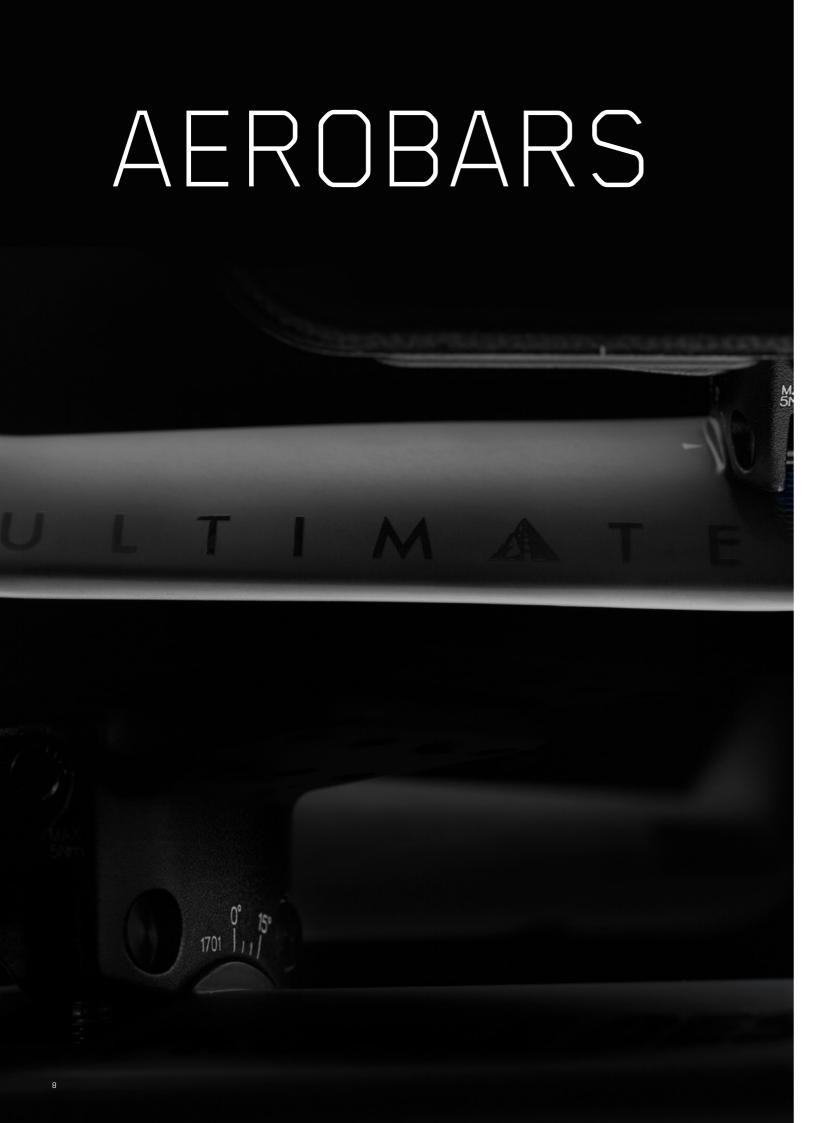


- + CFD and wind tunnel developed proprietary carbon fiber rim.
- + Proprietary precision machined alloy disc brake hubs with center-lock disc brake pattern.
- + 12mm Through Axle Front & Rear Hub.
- + Extra stiff hub shell design.
- + 100 mm front hub width & 142 mm rear hub width.
- + Sapim CX-Ray spokes with Polyax double square nipples.
- + Sealed cartridge bearings.
- + Hand-built assembly.

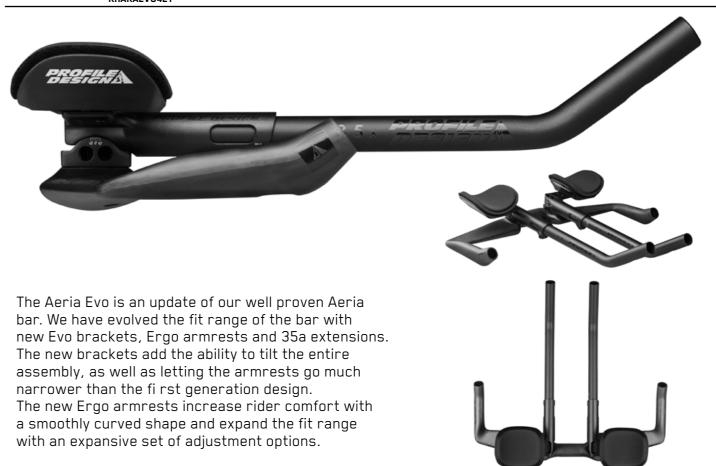
INCLUDES: RIM STRIP, SPOKES & NIPPLES (4 FRONT/4 REAR) SIZE: 700C X 24H FRONT/28H REAR, 2X FRONT, 3X REAR COLOR: UD CARBON FINISH, BLACK HUBS, BLACK SPOKES

BRAKE TRACK: 24.5MM WIDE









#### Performance

The Aeria Evo maintains the aerodynamics of the original version but increases the ability for the rider to get into their best possible position. The expanded fit range and tilt capability make it a class leader for adjustment and position optimisation.

#### Fit Data

Armrest offset	-66mm to 1.5mm in 7.5mm steps
Armrest Width	100mm to 266mm in 18.5mm steps
Armrest Stack	56mm to 80mm* in 5mm increments

The extension rotation can be easily adjusted using the shaft bolt. There is a 40mm range of extension

length adjustment once the extensions have been cut.
The bracket can be tilted by up to 10 degrees.

There are 100 distinct position options achievable just by moving the armrests. Combine that with the risers and this bar offers 1700 possible confi gurations of Reach, Stack and Pad Width. Adding in the tilt factor magnifi es this adjustment range even further.

#### Origin

The Aeria bar has been one of the most popular high end bars in recent years, with thousands of units on the market. We felt that it was worth retaining the well proven basebar and adding a new bracket/ pad system to bring the bar up to date with our next generation fit philosophy.

#### Tech Guide

Location	Bolt Size	Torque
Basebar mount	M6x15mm	6Nm(53 inlbf)
Barrel mount	M6x20mm	6Nm (53 inlbf)
Extension clamp	M5x14mm	5Nm (44 inlbf)
Armrest Bolts	M6x13mm CS	4.7Nm (42 inlbf)
Stem Clamp	6Nm Max	
Basebar Width	42cm (Center-	to-Center)
Weight		
Basebar	215g	
Bracket	266g	
Armrests	160g	
Extensions	168g	
Total	809g	

#### Who is it for?

This bar is intended for riders who prefer an upturned grip on the basebar, compared to the flat grip on the Aeria Ultimate. It also matches standard stems better. It offers an expansive fit range to facilitate getting the rider into their best possible position.







This is an aerobar defined by fit. Unlike aerobars of the past that had their fit and adjustability range restricted by design and construction, the Aeria Ultimate places fit first. By defining the parameters based on the needs of athletes, fitters, aerodynamicists and frame designers, we were able to focus on specific solutions:

- We achieved the largest range with the smallest increments for reach and width of any bar that doesn't have sliding parts for stack and reach.
- Matched our industry leading stack adjustment of 5mm increments and achieved the same pad stack as bar systems that place the extensions below the basebar.
- All dimensional adjustments are independent no need to calculate interdependencies or work out how to make desired changes – change just what you need to the position you need it.
- Tilt adjustment is built into the pad/extension bracket without adding any stack height or requiring bolt changes.
- All hardware and component pieces were not only designed for performance and ease of use but also strength.

Bracket	Aeria Ultimate Forged
Armrest	Ergo
Stack	25mm to 105mm (5mm Increments)
Reach	-21mm to 92mm (7.5mm Increments)
Width	125mm to 252mm (18.5mm Increments)
Basebar Width	42cm (Center-to-Center)
Extension Length Adj.	230mm to 337mm (Center of Basebar to Tip)
Extension Length	378mm
extension rise	71mm
Extension Angle	35C+ (35deg)
Bracket Tilt Adj.	0-15°
Color	Black
Weight	885g







## **ENGINEERING AND DESIGN**



## **AERIA ULTIMATE WING**

The Aeria Ultimate wing is a monocoque full carbon fiber 3:1 wing. The pre-preg carbon fiber is hand laid-up to ensure proper and strategic placement of carbon plies to maximize strength and stiffness without sacrificing weight. The wing is designed for both mechanical and electronic internal cable routing; the engineered cable "window" in the center clamp allows for clean and simple cable routing into the frame without any aerodynamic penalties. Pushing the technology and manufacturing envelope for carbon fiber we were able to offer extension bracket tilt without having to create a wing with either multiple materials or with multiple manufacturing steps.

## **2 ERGO ARMRESTS**

The Ergo is the core of our new family of fit and comfort focused armrests. It offers a smoothly curved shape designed to comfortably cup the elbows while providing good support and control. The bolt pattern yields 48 possible configurations just by moving the armrest. The Ergo is compatible with all current aerobars and earlier models that used the E-19 E-22 E-35 or E-40 armrests.

## 3 AERIA ULTIMATE BRACKET, RISERS AND BRIDGE

Using a forged and CNC'd aircraft grade 6061-T6 Aluminum, the Aeria Ultimate bracket delivers multiple performance benefits in a small package. The Aeria Ultimate bracket offers a simple and secure in-line extension clamp, 0-15" tilt adjustment with stackable risers, a stable armrest platform - all while maintaining a low stack position with each fit metric offering independent adjustment. The bracket platform and bolt positions maintain our previously established bolt spacing and allow retro-fits for any existing Profile Design armrest.

The 6061-T6 Aluminum risers mate to the bracket and wing and are stackable in 5mm increments. Machined along the trailing edge, the recessed groove allows for clean electronic cable routing and the ability for stack changes without needing to remove or re-cable electronic shifting. The forged 6061-T6 Aluminum stabilizing bridge also is compatible with our Supersonic (J5) BTA bottle mount - making for a simple and adaptable hydration placement.

#### 4 AERIA ULTIMATE 35C CARBON EXTENSIONS

The 35C+ extensions offer a 35deg ski bend shape. This facilitates a slightly turned down wrist position to create a streamlined hand position. They are 400mm long and can be cut to size to suit nearly every rider. They are drilled for rear-exit cable routing.

# FLYTSYSTEM

Bike fit can be a daunting task. Here at Profile Design we sought to simplify the process of fitting an aerobar to a rider but to also expand the amount of fit options possible. After analyzing data from the past thirty years the FLYT System was born.

The FLYT System uses a combination of 3 brackets, 3 armrests and 3 extension options to give fitters and riders 27 possible combinations to cover over thousands of fit options.

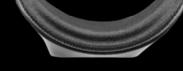
The Sonic bracket offers a 60mm rise over The Ergo is a smoothly curved armrest mount bracket with huge adjustability. Suited for riders that want a lightweight and adjustable setup.



The 35 extension is a single ski bend of 35° to allow a slightly turned down angle wrist angle. Suitable for riders looking to balance comfort and aerodynamics



The Supersonic bracket enhances on the Sonic with easy access extension clamp and BTA mount option. Increased setback over the Sonic makes this suitable for riders that prefer armrests well behind the bar and is ideal for carbon extensions.



intended to provide maximum comfort

for the majority of riders. Suited for any

The Boom is an alloy cup with a wide base to facilitate more extreme positions. Suited for riders who require a wide elbow position or wish to have more freedom of movement.



The 50 extension combines a vertical bend of 50° with a lateral shift of 7.5mm. This extension is suited for a high hand position or a straight wrist angle for maximum comfort. The lateral shift allows for more grip width options.



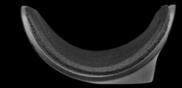
The Subsonic bracket utilizes a socket mount and lowers the stack by 20mm compared to other brackets. Optimized cable routing allows for a low stack setup making this bracket ideal for riders who need a low and narrow position.



The Race is a tightly curved armrest designed to grip a riders arms. This armrest is ideal for a rider who is looking to be "locked in" with a narrow position.



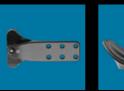
The 45/25 extension is a dual bend grip allowing hand positions with a 7.5mm lateral shift. This extension is suited for riders who want to be able to shift between control and speed positions with versatility in grip width.





# SONIC/ERGO/35a

## FLYT build examples

























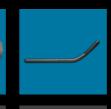


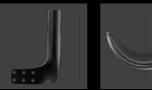






















# SONIC/ERGO/ALLOY

Our new Sonic bracket has been designed as the successor to the J2, which has been a somewhat ignored part of our range. With this update it brings our new generation fit range to a wider range of pricepoints, replacing the J2 bracket. The Ergo armrest has been created to offer both a huge upgrade in fit range as well as increased rider comfort with a supportive curve to cup the arms.





a wide range of riders to fit. The cable routing is designed to exit

from the rear of the extension.



#### Performance

The Sonic/Ergo is designed to present minimal frontal area to create as little aerodynamic drag as possible. The main purpose of an aerobar is, of course, to get the rider into a fast position – despite a fairly minimalist appearance the Sonic/Ergo offers a comprehensive fit range for exactly this purpose.

#### Fit Data

Armrest Offset	-70mm to -2.5mm in 7.5mm steps
Armrest Width	124mm to 290mm in 18.5mm steps*
Armrest Stack	60mm to 70mm** in 5mm increments.

\*With Extensions at 100mm

\*\*With spacer kit

The extension length and rotation can be easily adjusted using the top bolt.

There are 100 distinct position options achievable just by moving the armrests. Combine that with the risers and this bar offers 1500 possible configurations. As a clip on bar it is also possible to adjust the extension width and tilt easily. This is the most adjustable clip on bar on the market (and in history).

It is worth noting that our previous top level clip on aerobar, the J4/F35, offered 90 possible configurations. This highlights the significant step forward we've made with our new generation aerobars in allowing riders to precisely adjust their position.

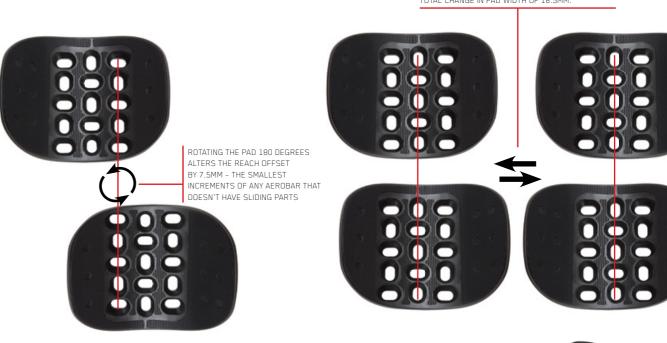
### Origin

After we released the Supersonic (J5) as a premium bracket with market leading fit options and versatility we wanted to bring the same kind of options to the rest of our range of brackets and thus aerobars.

By simplifying the extension clamp and shifting the wing forward to the bar centreline we were able to meet our targets. As a consequence of the simplification the Sonic is the lightest of our current brackets.

The Ergo armrest shares the flippable design of the rest of our new generation armrests. By swapping sides or rotating the armrests smaller increments of movement are achieved – making it simple to fine tune a riders position or match the position from their previous aerobar or bike.

SWAPPING THE PADS FROM ONE SIDE TO THE OTHER CHANGES THE WIDTH BY 9.25MM PER SIDE - FOR A TOTAL CHANGE IN PAD WIDTH OF 18.5MM.



#### Tech Guide

Torque settings (all bolts are M6)

Bar Clamp	6Nm
Extension Clamp	6Nm
Armrest Bolts	4.7Nm
Weight	
Bracket	234g
Armrests	130g
Extensions	195g
Total	559g



# SUPERSONIC/ERGO/CARBON

The Supersonic bracket (previously known as the J5) is the first and premier model of the new generation Profile Design brackets. It offers easier adjustment and a greater fit range than anything that came before it.

Pairing this bracket with the ergo armrest offers industry leading fit options and greater comfort.

With the 35c extensions this aerobar is suited to riders who wish to adopt an aerodynamic 'arrowhead' hand position.





# SUPERSONIC/ERGO/4525C

#### 4525C Extensions

The 4525c extensions offer a 45deg lower and 25deg upper section with a 7.5mm lateral shift per side. This allows the rider to choose between a low, short reach position or a high hands, stretched position for aerodynamics. They are 400mm long and can be cut to size to suit nearly every rider. They are drilled for rear-exit cable routing.



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The 50c extensions offer a 50deg ski bend shape with a 7.5mm (per side) lateral shift. This allows a neutral wrist angle with the capability to fine tune the grip width. They are 400mm long and can be cut to size to suit nearly every rider. They are drilled for rear-exit cable routing.

#### Performance

The Supersonic/Ergo platform is designed to give riders the freedom to find their best possible position with a huge range of independent adjustments

#### Fit Data

Armrest Offset	-85mm to -17.5mm in 7.5mm steps
Armrest Width	124mm to 290mm in 18.5mm steps
Armrest Stack	58.5mm to 138.5mm in 5mm steps

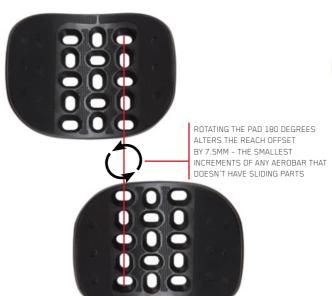
There are 80 distinct position options achievable just by moving the armrests. Combine that with the risers and this bar offers 1440 possible configurations. As a clip on bar it is also possible to adjust the extension width and tilt easily.

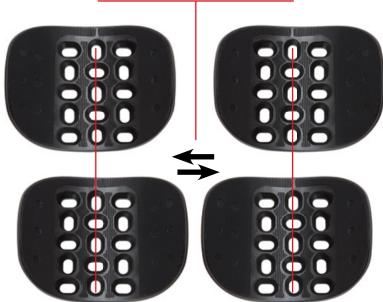
#### Origin

The Supersonic was the first of our new generation brackets – resulting from careful analysis of the way riders use their aerobars and the adjustments that need to be made

The Ergo armrest is an integral part of the overall adjustability scheme. The dual - offset design (shared with Race and Boom armrests) gives the most precise adjustment range of any armrest on the market. This, along with the evenly curved shape, allows it to work well for the majority of riders.

SWAPPING THE PADS FROM ONE SIDE TO THE OTHER CHANGES THE WIDTH BY 9.25MM PER SIDE - FOR A TOTAL CHANGE IN PAD WIDTH OF 18.5MM.





The Supersonic bracket can be paired with the Supersonic BTA mount - specifically designed to give a secure, clean and adjustable bottle cage mount for this bracket.

This bracket is compatible with the Profile Design Universal Riser Kits for fine tuning the aerobar stack.





#### Tech Guide

Torque settings (all bolts are M6)

Location	Bolt Size	Torque
Handlebar clamp	M6x18mm	6Nm (53 inlbf)
Extension clamp	M5x14mm	5Nm (44 inlbf)
Armrest Bolts	M6x13mm CS	4.7Nm (42 inlbf)

#### Weight

640g (estimated)



The Supersonic/Ergo Range of aerobars offers the simplest and most comprehensive adjustment range on the market. As the premium level of our new generation clip on aerobars they represent the culmination of a significant investment in advancing the state of the art.

# SUBSONIC/RACE/35A

Subsonic not just another aerobar bracket. It brings our next generation fit range to a low stack bracket design. This allows the bar to use our riser kits to increase the stack without changing the relationship between the armrest and the grips.

The Race armrest has been designed to tightly cup the riders arms – facilitating a narrow position and increasing control at speed.



Bracket	Subsonic
Armrest	Race
Extension Length	350mm
Clamp Diameter	31.8mm
Width	142mm to 272mm
Weight	638g
Color	Black

#### Performance

The Subsonic/Race is designed to achieve alower stack height than standard aerobars, without the added frontal area of a belowthe basebar extension clamping system. Thisimproves aerodynamics and the fit range.

#### Fit Data

Armrest offset: -85mm to -17.5mm in 7.5mm steps

Armrest Width: 142mm to 272mm in 18.5mm steps (with Extensions at 100mm)

Armrest Stack: The minimum is 40mm and the bracket is compatible with our existing risers which add up to 70mm of stack in 5mm increments.

The extension rotation can be easily adjusted using the shaft bolt. There is a 40mm range of extension length adjustment once the extensions have been cut.

There are 80 distinct position options achievable just by moving the armrests. Combine that with the risers and this bar offers 1200 possible configurations. As a clip on bar it is also possible to adjust the extension width and tilt easily. This is the most adjustable low stack clip-on on the market

#### Origin Story

After we released the Supersonic (J5) as a premium bracket with market leading fit options and versatility we wanted to bring the same kind of options to the rest of our range of brackets and thus aerobars.

Where our Supersonic and Sonic brackets have a minimum stack of around 60mm, like most of the popular aerobars – we wanted the Subsonic to offer a substantially lower position. This helps the segment of the market who struggle to get into their ideal position with modern bike frames. And it was vital that we included stack height adjustment without altering the pad to grip relationship – so our riders have the ability to fine-tune every aspect of their setup.

The Race armrest shares the flippable design of the rest of our new generation armrests. By swapping sides or rotating the armrests smaller increments of movement are achieved – making it simple to fine tune a riders position or match the position from their previous aerobar or bike. Additionally – there are two thicknesses of cushion available to ensure a snug fit for different sized arms

#### Tech Guide

Torque settings (all bolts are M6)

- + Bar clamp: 6Nm
- + Extension clamp: 6Nm
- + Armrest bolts: 4.7Nm

#### Weight:

- + Bracket: 304g
- + Armrests: 148g
- + Extensions: 186q
- + Total: 590g

#### Who is it for?

This bar is perfect for riders who wish to achieve lower positions than are possible with standard aerobar designs. Unlike other low stack bars it allows fine-tuning of the stack height so the rider is not limited to only one armpad height. With the Race armrests fitted it is tailored towards riders who intend to be low and narrow to punch the smallest possible hole through the wind.

## **ENGINEERING AND DESIGN**



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# Airstryke ii





The Airstryke ii takes the features of the ever popular Airstryke and adds an expanded fit range and more comfortable armrests. The flip bracket and classic shape are retained.

#### Performance

The Airstryke ii is intended to allow riders to add aerobars to their road, MTB or adventure bike without sacrificing the ability to hold the bars close to the stem. The comfortable grip angle and smoothly curved armrests offer a relaxed position for long days in the saddle.

## Fit Data

Armrest Offset	-85mm to -17.5mm in 7.5mm steps
Armrest Width	131mm to 298mm in 18.5mm steps
Armrest Stack	4Ωmm

#### Origin

As one of the most popular models in the history of aerobars it seemed appropriate to update the much loved Airstryke with our new generation fit range and comfort focussed armrests. We didn't want to change the elements that have made the bar so successful and the changes made just enhance the adjustability and comfort.

#### Tech Guide

Torque settings (all bolts are M6)

Bar Clamp	6Nm
Extension Clamp	6Nm
Armrest Bolts	4.7Nm

This bar has proven to be a great option for riders wanting to add an additional riding position to any style of bike. For triathletes it can help seek more speed by improving aerodynamics. For long distance riders it adds a comfortable extra position that supports the upper body, allowing the rider to focus on pedalling. The flip up bracket allows the rider to still use the tops of the handlebars when not in the aero position.







Proprietary integrated bracket design allows the rider to run a minimalist design with or without armrests.

### SPECIFICATIONS

- + The clamp style and 3-position Ergo armrest provide a road-specific adjustable aerobar fit
- + Taller 40mm S-bend extension improves ergonomics



Armrest	Ergo
Stack	37mm-97mm
Reach	-60mm, -40mm, -30mm
Extension Adjustment	Fixed
Width	165mm-320mm (center to center)
Center Clamp Diameter	Fits 26.0mm and 31.8mm bars
Color	Black
Weight	420g





# LEGACY<sub>RHLGC21</sub>

Key updates to the Legacy bar include improved ergonomics and added hand positions to create a more dynamic bar. The armrests feature width adjustment along with rotational adjustment. The simple yet adjustable design of the Legacy 2 adds versatility to any road bike.

31.8mm or 26.0 diameter clamp Updated bend for improved ergonomics Fully adjustable armrests



Construction	Forged 6061-T6
Armrest Material	Injected Nylon/Glass Fiber
Extension Angle	44
Extension Rise	58mm
Clamp Diameter	31.8/26.0
Color	Black
Weight	450g



# DRIVe -

Gone are the days of simply measuring a drop bar by the standard reach, drop and width. The DRiVe metric by Profile Design pinpoints the precise position in the drops where riders instinctively place their hands. The metric is incorporated into a new series of progressively sized handlebars design to maximize control and comfort.



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# **PROGRESSIVE ERGONOMICS**

The tops and hoods complement the powerhouse DRive position and the Reach and DRive are progressively sized as the bar increases in width. This progressive sizing ensures the most powerful positions remain right where they are needed

The shorter reaches of the DRiVe Series

better match current shifter hood geometry

and create comfortable hand positions.

**REACH** 

#### TRANSITION TO HOODS

The long radius of the upper curve provides both smooth distribution of pressure on the hand and clearance for the wrist/forearm when sprinting in the drops.



The hood slope is a shallow 7deg, eliminating the main reason why we so often see riders make detrimental bar rotation adjustments in a desperate effort to flatten out the hood slope. The DRiVe Series handlebars deliver a seamless transition from bar to shifter hood without affecting how the drops were designed to fit.

#### DROPS

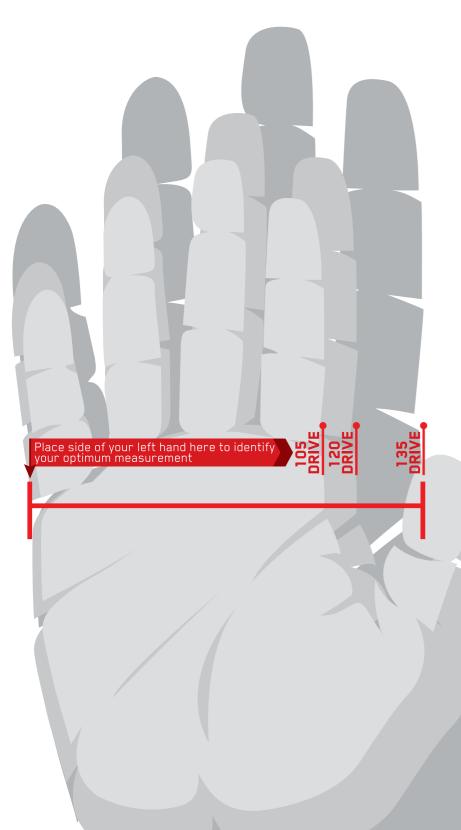
The canted 4deg design grants a wider array of hand positions, while the gradual, dual radius arc erases sharp angles and pressure points caused by more traditional drop shapes. This dual radius also allows for the brake levers to be reachable when in the drops.

# FIT MADE SIMPLE

The DRiVe System gives fitters and riders a tool to easily find the correct DRiVe and perfect riding positions at all points on the bar.

Our design process focused on developing a line of bars that conform to rider morphology rather than riders adapting to the bar. Morphological studies have shown a progressive nature of the body. Specifically, one study performed by the US Military identified progressive correlations between handbreadth, shoulder width, and height. This information allows us to easily identify a DRiVe that will be most compatible with a rider by simply measuring a rider's handbreadth.



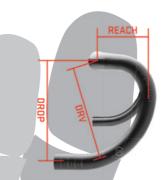


# WHAT IS YOUR **DRiVe**

Gone are the days of simply measuring a drop bar by the standard reach, drop and width. The **DRiVe** metric pinpoints the precise position in the drops where riders instinctively place their hands. The metric is incorporated into a new series of progressively sized handlebars designed around a cyclist's most powerful hand positions.

Modern drop bar designs are deeply tied to tradition. Designed based on outdated road bike sizing , they render many of cycling's intended hand positions unattainable when riding modern frame geometry. The ride positions that are the most powerful and allow for the most control have now shifted into virtually unattainable positions.

#### DRiVe is Simple.



## DRIVe = Drop Reach Variant. critical to comfort, power and control.

The DRiVe Series conforms to rider morphology rather than forcing riders to adapt to the bar. By applying military-level studies identifying correlations between handbreadth, shoulder width and height, we can easily identify a DRiVe that will be most compatible with a rider by simply measuring their handbreadth.

# **DRV** 105 **DRV** 120 **DRV** 135 2019 Profile Design

# DRV/AEROA (RIDRVA135 - RHDRVA135 )

The DRV/AEROa is a high-performance aluminium aero drop bar featuring a truncated airfoil for aerodynamics, comfort and stiffness. The curve has been optimised for modern road levers. The innovative fit and ergonomics of the DRV system include a 7° ramp angle and a 4° flare in the drops, allowing a natural wrist angle for enhanced comfort and control.

Material	6061-T6 AL
Clamp Diameter	31.8mm
Reach	70,75,80mm
Drop	138mm
Drop Flare	4°
Color	Black
Weight	315g (size 38cm)

COMPATIBLE WITH ALL PROFILE DESIGN 31.8mm CLIP ON AEROBARS





The DRV/G Gravel Drop Bar is designed to inspire confidence when riding off road. With ergonomics and fit dimensions based off of the innovative DRiVe metrics and featuring longer reach and flared drops, the Gravel Drop Bar improves stability and handling on less than ideal surfaces.

3	
Material	6061-T6 AL
Clamp Diameter	31.8mm
DRiVe	120mm
Width	40/42/44
Reach	75
Drop	136
Drop Flare	16°
Color	Black
Weight	310-340g



The DRV/A offers the full DRiVe size range to give all riders the opportunity to find a great fit. The top section is a constant diameter to increase stiffness, increase hand comfort and provide plenty of scope for fitting aerobars.

Material	Double butted 6061-T6 Aluminum
Clamp Diameter	31.8mm
Reach	70,75,80mm
Drop	138mm
Drop Flare	4°
Color	Black
Weight	305g (42cm)





Our new Wing10a has been designed as the successor to the T2 Wing, which has been possibly the most popular basebar in the world for the last decade.

Our goal in designing the follow up for such a successful product was to add performance and functionality without significantly inflating the cost.

Materials:	6061-T6 AL
Clamp:	31.8mm
Grip Offset	+/- 5mm
Width:	36, 38, 40, 42, 44
Color:	Black
Weight:	265g (size 38cm)

#### Aero

The Wing10a employs a truncated airfoil (Kamm Tail) to stay within UCI regulations while offering the performance of a much deeper section. This, along with tidying up the underside of the wing where the cables used to exit has led to a small improvement in performance. For optimal aero performance the bar should be set in the low position to increase the separation from the armrests.

#### Fit Data

36, 38, 40, 42, 44

The straight hand grips are part of the flippable Tech Guide design that allows the grip height to be modified + Recommend stem clamp torque: 6 N-m by 10mm. The grip length can also be trimmed + Recommend aerobar clamp torque: 6 N-m by up to 30mm.

The WinglOa offers the greatest fit versatility + Grip Stack High position: 15.9mm of any alloy basebar we've previously made, + Grip Stack low position: 5.9mm allowing the rider to fine tune for their riding + Only compatible with internally routed style and comfort preferences.

An additional reason for the truncated design + UCI 3:1 compliant of the wing was to improve hand comfort when sitting up on the bar tops.





We saw an opportunity to offer a range of improvements that we felt would be beneficial to riders. The project involved very careful planning of design and manufacturing techniques to ensure we could offer these new features without significantly raising the price from that of the original T2 Wing.

regime for our products. This basebar is the Trial/Triathlon bike or a converted road frame. first to be named under the "Wing" category. The sleek design cheats the wind while still The "10" references the 10mm offset and the offering versatility for position setup The Wing10a is available in the following widths: "A" references the alloy construction.

# Who is it for?

This bar is the perfect complement to a Additionally, we're moving to a new naming dedicated aerobar setup - whether on a Time

TRUNCATED AIRFOIL DESIGN

TO MAINTAIN STIFFNESS

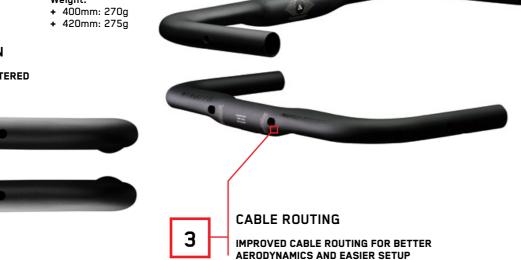
AND DURABILITY WITHOUT

SACRIFICING AERODYNAMICS

**AIRFOIL** 

- + Clamp area 100mm wide on all bar sizes
- + Maximum cut distance on grip: 30mm
- brake levers
- + Di2 Compatible

## Weight:





- + Double-butted 6061-T6 aluminum
- + 3:1 compliant Wing Section

Clamp	31.8mm
Width	40, 42, 44cm wide (center to center)
Drop	Omm
Color	Black
Weight	250-265g



# Svet R

Two-way fit system combining a standard low drop for aggressively positioned athletes.

- + 3:1 Compliant Wing Section (UCi Legal)
- + Pre-slotted internal cable routing (Di2 compatible)
- + Multi-direction, multi-layer carbon fiber
- + Ergonomic, straight brake extensions

Clamp	31.8mm
Width	40, 42, 44cm available
Drop	-20/20mm
Color	Black
Weight	200-210g



# Svet TT

The Svet TT was designed for Time Trial and Triathlon usage and features a sleek UCI compliant 3:1 wing. Strategic cable slot positioning enables streamlined internal compatibility for electronic or mechanical shifting cable management while the zero drop and upturn brake extensions provide better positioning for climbing and cornering while in the pursuits.

Materials:	Multi-direction, multi-layer carbon fiber
Clamp:	31.8mm
Width:	40cm, 42cm, 44cm
Drop:	Omm
Color:	UD Carbon Fiber
Weight:	200g



# Aeria Ultimate Stem 🔝







The Aeria Ultimate Stem was developed in conjunction with the Aeria Ultimate and HSF/Aeria to complete the cockpit package focused to enhance fit and aerodynamics. Every detail was considered in this design.

Construction	Forged 6061-T6 AL
Clamp	31.8mm
Steerer Diameter	1 1/8(1" with included shim)
Stack (Y)	12mm
Length (X)	70, 100
Color	Matte/Gloss Black
Weight	70mm - 383g, 100mm - 455g

# Aeria

Patent-pending front clamp system eases installation and firms security. The unique clamp provides a clean, sleek transition from faceplate to body while housing the clamp bolts underneath the stem to reduce drag.

Construction	3-D Forged 6061-T6 Aluminum
Clamp	31.8mm
Steerer Diameter	1 1/8" (1" with included shim)
Rise	-17°
Length	70, 80, 90, 100, 110, 120mm
Color	Matte Black with Gloss accents
Weight	165g



1/Zeroseven
RS10707
Simple, elegant, lightweight design that can be run in the negative or positive position.

Material	3-D Forged 6061-T6 Aluminum
Clamp	31.8mm
Steerer Diameter	1 1/8" (1" with included shim)
Rise	-7°/7° & -17°/17°
Length	70, 80, 90, 100, 110, 120, 130mm (±7°)
Color	Matte Black
Angle	83° (±7°)
Steerer Tube Diameter	11/8in
Stack Height	40mm
Clamp Width	40mm
Clamp Tourque	5Nm
Weight	167g (100mm)







1/Seventeen
RS11717
Simple, elegant, lightweight design that can be run in the negative or positive position.

Material	3-D Forged 6061-T6 Aluminum
Clamp	31.8mm
Steerer Diameter	1 1/8" (1" with included shim)
Rise	-7°/7° ε -17°/17°
Length	70, 80, 90, 100, 110, 120, 130mm (±17°)
Color	Matte Black
Angle	73°(±17°)
Steerer Tube Diameter	11/8in
Stack Height	40mm
Clamp Width	40mm
Clamp Tourque	5Nm
Weight	162g (100mm)







Versatile aluminum stem features more fit options for riders requiring a wider breadth of solutions.

Construction	3-D Forged 6061-T6 Aluminum
Clamp	26.0mm (Aris) and 31.8mm (Aris OS)
Steerer Diameter	1 1/8" (1" with included shim)
Rise	83°/97° and 115°/65°
Length	60,70, 80, 90, 100, 110, 120, 130mm
Color	Matte Black
Weight	155-170g



# **BRAKE SYSTEMS**

Ergonomic, brake lever features an articulated single finger design for secure and responsive brake performance. The cable pull is optimized for a wide range of integrated brakes found on today's tri bikes. Combined with user-friendly front-loading road brake cable the lever is a performance delivering upgrade to any tri bike.

# 3/One Carbon Brake Lever

5/ One of	ACKTO1	
Construction	UD carbon	-
Color	Gloss Carbon Black	
Weight	110g per set	

2/Dna	aluminum	Droko	OVOR
3/UITE	aluminum	DIAKE	LEVEL

		ACT01
Construction	6061-T6 Aluminum	
Color	Matte Black	
Weight	122g/pair	

2019 Profile Design

# **SEATPOSTS**

The hidden 2-bolt head design enables micro-adjustments and eases installation. Uniquely designed upper and lower clamps evenly distributes clamping forces and minimizes stress on carbon rail saddles.

## 1/TWENTYFIVE

AC125/

25mm setback

 $\textbf{MATERIAL:} \quad 6061\text{-}T6 \text{ ALUMINUM TOPPED WITH FORGED } 6061\text{-}T6 \text{ ALUMINUM UPPER AND LOWER CLAMPS}$ 

**DIAMETER:** 27.2MM AND 31.6MM

 LENGTH:
 350MM

 OFFSET:
 25MM

 HEAD:
 2-BOLT

 COLOR:
 MATTE BLACK

 WEIGHT:
 310G



# CANTA

MATERIAL: HIGH-MODULUS CARBON FIBER WITH 3D FORGED 6061-T6 ALUMINUM UPPER AND LOWER CLAMPS

**DIAMETER:** 27.2MM AND 31.6MM **LENGTH:** 350MM

OFFSET: 25MM

HEAD: 2-BOLT, NON-REVERSIBLE
COLOR: GLOSS CARBON
WEIGHT: 241G (31.6MM)



## FAST FORWARD CARBON

Changes a 73° seat tube angle frame to 78° seat tube angle

**DIAMETER:** 27.2MM & 31.6MM **LENGTH:** 300MM

 OFFSET:
 300MM

 WEIGHT:
 210/240G

COLOR: GLOSS UD CARBON



## FAST FORWARD ALUMINUM

Changes a 73° seat tube angle to 78° seat tube angle

6061-T6 aluminum construction

**DIAMETER:** 27.2MM & 31.6MM **LENGTH:** 300MM

**OFFSET:** 38MM (FORWARD)

WEIGHT: 310G

COLOR: ANODIZED MATTE BLACK



# 1/ZERO

AC10A2721 Zero setback aggressive positioning

MATERIAL: 6061-T6 ALUMINUM TOPPED WITH FORGED

6061-T6 ALUMINUM UPPER AND LOWER CLAMPS

: 27.2MM AND 31.6MM

 LENGTH:
 350MM

 OFFSET:
 0MM

 HEAD:
 2-BOLT

 COLOR:
 MATTE BLACK



## **VERTEX 80 :** AGGRESSIVE POSITIONING

Shell and foam profile specifically designed to fit how riders are positioned on the saddle in aggressive UCI-legal triathlon or TT positions (78°-82°).

#### **SPECIFICATIONS**

- + INTEGRATED REAR CAGE MOUNT
- + DESIGNED FOR RIDERS WITH VIRTUAL SEAT TUBE ANGLE AT 78  $^{\circ}$  OR STEEPER
- + CURVED NOSE PROFILE ALLOWS THE RIDER TO ROTATE FORWARD ONTO THEIR PUBIC RAMI
  + ANTI-SLIP MICROFIBER COVER PREVENTS MOVEMENT ON THE SADDLE PROVIDING STABLE RIDING
- + ANTI-SLIP MICROFIDER COVER PREVENTS MOVEMENT ON THE SADDLE PROVIDING STABLE RIDIN
- + AVAILABLE IN SOLID MOLD, OR CUT-AWAY WITH VENTS

CONSTRUCTION: COMPOSITE MOLDED SHELL WITH INJECTED FOAM

COLOR: BLACK
RAILS: CHROMOLY
CLAMP: 7MM

WEIGHT: 341G (CHROMO)

# VISE KAGE AND MOUNTING SYSTEM INCLUDED





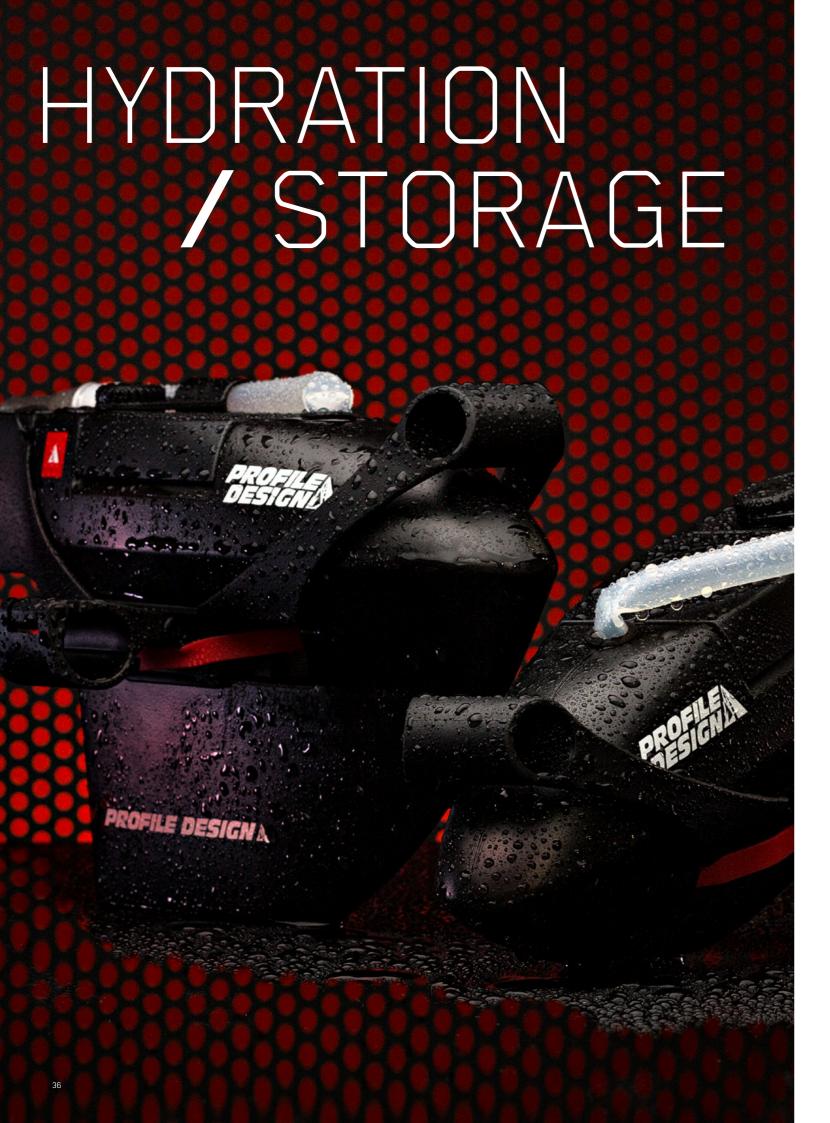




SDVX80SC1

35

2019 Profile Design





The HSF/AERIA hydration system is designed to seamlessly integrate with the Aeria Ultimate Stem - combined with the Aeria Ultimate aerobar this system provides a fully integrated front end "super bike" solution for any bike. This BTA system features the race proven "no splash" fill port, a straw magnet mount for streamlined airow over the top of the system, a bite valve for fluid control and a removable computer mount.

Material	BPA-Free, Foodsafe HDPE
Capacity	30 oz (857 ml)
Compatibility	Aeria Ultimate Stem (70mm or 100mm only)
Color	Black
Weight	420g



## FC Hydration System

Profile Design FC Hydration Systems were designed with one thing in mind - to create a clean front-end solution that thoughtfully integrates hydration, nutrition and electronic needs.

- + Re-designed no-splash refill port
- + Integrated storage streamlines nutrition needs into rear airfoil compartment
- + Computer mount positions perfectly at the front of the system for optimal viewing
- + Dual positioning straw positions on the right or leftside of the bottle
- + Swap straw with gap cap to place straw in front or rear of bottle

# FC25 System

Construction	BPA-Free, Foodsafe HDPE Bottle
Width	65mm-140mm
Capacity	25oz (739ml)
Weight	397g



# FC35 System

Construction	BPA-Free, Foodsafe HDPE Bottle
Width	65mm-140mm
Capacity	35oz (1035ml)
Weight	470g
	·



# Aero HC Hydration System

Aerodynamic, refillable on-the-go front mounted bottle strategically positions hydration between the rider's arms for a hidden, sleek aerodynamic profile. Integrated computer mount efficiently positions electronics.

Construc- tion	BPA-Free, Foodsafe HDPE Bottle, Injected Nylon/ Glass Fiber bracket and computer mount
Width	85mm-120mm (center to center)
Capacity	28oz (828ml)
Weight	248g (System), 138g (Bracket Only)



Aero HC Hydration Bottle



All products are food safe and dishwasher safe  $\ensuremath{\nabla} \ensuremath{\mathcal{T}}$ 

38

# flow of fluid

Bite Valve

The FC Bite Valve is featured on the FC25 and FC35 systems to provide a softer interface between user and straw while enabling the rider to better control the

# RZ2

Frame-mounted bottle increases aerodynamics of any

- + Contoured shape with recessed hand grips
- + Integrated cap that twists off for ease of cleaning
- + BPA Free & Foodsafe Bottle and Cap
- + Injection Composite Cage
- + Mounts to any standard bottle cage bosses
- + Non-UCI Compliant

Capacity	14oz (415ml)
Weight	141g





All products are food safe and dishwasher safe  $\mathbf{R}$ 

# Aerodrink

Simple front-end hydration solution easily mounts between aerobars so you don't have to deviate from the aero position to stay hydrated.

- + Easy re-fill, no-splash cap
- + Compatible with Universal Aerodrink Bracket, affixing to aerobars
- + Fits narrow mounting aerobars or wider setups with our Basebar Bracket

Capacity	28oz (828ml)
Weight	171g



# Aqualite

Lower capacity makes it a prime selection for shorter distance events or training rides.

Capacity	22oz (650ml)
Weight	95g



# Aerodrink Bracket

Our refi ned front hydration and BTA bracket are designed to work with any of our systems. Featuring bolt-on adjustable wings for easy installation, they adapt to various width extensions. The durable silicone restraining strap provides hassle free bottle installation and removal.

Construction	Injected Nylon/Glass Fiber	
Weight	130g	21.10

# Universal Aerodrink Bracket

One of two options available for mounting Profile Design hydration systems. Aerodrink Bracket mounts to aerobar extensions, fitting aerobars from 70mm to 140mm (center-to-center) in width.

Weight	31g	
d	I III	

# Aerodrink Basebar Bracket

One of two options available for mounting Profile Design hydration systems. Its innovative design allows for independent width and angle adjustments of hydration system without impacting aerobars. Also compatible with a standard bottle cage by simple "click-in" install of

onstruction	Injected nylon/glass fiber construction	
/eight	75g	
	CE	

# **UCM** Aerobridge

- + Width adjustable from 70mm-120mm
- + Includes 2 sets of clamps for compatibility with both 22.2mm diameter + Two sizes fit all extensions: 25mm & 60mm extensions and 26.0mm diameter extensions

Construction	Injected composite
Weight	37g



# UCM & UCM XL

- + Affixes to aerobar extensions for easy placement of electronics.

14-22g







# ATTK IC Storage ACATKICPK1

The Aero Top Tube Kase (ATTK) IC is designed to improve aerodynamics while offering a streamlined storage solution. The uniquely designed shell allows cables to route straight through to the top tub. Mounting is simple using top tube braze-ons on compatible bikes or slots for Velcro straps sold separately.

Materials	Plastic and molded rubber	
Capacity	250cm <sup>3</sup>	
Length	210mm	
Width	40mm	
Color	Black	
Weight	145g	



# ATTK Velcro Strap Kit

These straps are designed to effectively attach the ATTK Unit to bikes without the necessary top tube braze-ons. The long looped section features silicon backing to prevent movement and the straps can be cut to fit specific top tube diameters for easy installation and secure storage.

Materials	Nylon
Length	250mm
Color	Black
Weight	12g



# TANK Storage

This system is perfectly matched to a mountain bike or commuter bike for easy storage of keys, wallet, tools or even snacks. This modern design with refined shaping will integrate smoothly with most bike frames and is conveniently placed in front of the rider for quick and safe access while riding. It is built with a direct mount option for compatible bikes or slots for Velcro straps designed to fit any sized top tube.

Materials	Polycarbonate
Dimensions	L-188mm, W-70mm, H-70mm
Capacity	489cm <sup>3</sup>
Color	Black
Weight	110g



# **WBS**

Water Bottle Storage Unit is designed to carry the essentials. These include CO2 cartridges, inflaters, spare tubes, keys, credit cards, etc. Featuring foam insulation to eliminate the annoyance of rattling tools. Durable threaded cap keeps the cap secured.

Materials	Plastic
Color	Black
Weight	55g



# Aero E-Pack Compact

ATTKIC

Compact top tube mounted pack mounts behind the stem keeping nutrition out of the airflow. Recommended for short to medium length multi-sport events. Installs using 2 bottom Velcro straps and 2 front elastic straps to optimize positioning. top keeps items secure.

Size	240mm x 50mm x 70mm (525cm3)
Color	Black
Weight	40g
	PROFILE DESIGNA

# Aero E-Pack

**PROFILE DESIGNA** 

Top tube mounted pack mounts behind the stem and tapers to the top tube to help smooth airflow. Larger capacity recommended for longer multi-sport events. Installs using 3 bottom Velcro straps and 2 front elastic straps to optimize positioning. Zippered top keeps items secure.

Size	240mm x 50mm x 70mm (525cm3)	
Color	Black	
Weight	50g	
	PROFILE DES	IIGNA

## E-Pack

## ACEPACK1-S (SMALL) / ACEPACK1-L (LARGE)

Top-tube mounted pack mounts behind the stem. Nylon construction with mesh flap cover. Padded sides help maintain

Silape IIU IIIa	itter the contents.	
Size Large	150mm x 50mm x 90mm (386cm3)	
Size Small	75mm x 40mm x 105mm (220cm3)	
Color	Black Nylon	
Weight	Large - 30g, Small - 15g	
=	TOTAL	and a
-		

Size	240mm x 50mm x 70mm (525cm3)
Color	Black
Weight	50g
	PROFILE DESIGNA

# Icon SS Water Bottle

The Icon SS water bottle features a self-sealing cap for precise fluid flow and to prevent leakage. The body is improved with a softer BPA Free, FoodSafe material allowing for better grip and fluid flow control.

Materials	BPA Free, FoodSafe LDPE
Capacity	21oz (621ml)
Color	Clear w/Black Cap



# **Insulated Water Bottle**

- + Maintains the temperature of cold liquids for up to 1 hour
- + Keeps liquids cool for up to 3 hours

Canacity	16nz (473ml)



# Water Bottle

Capacity 21oz (620ml)



# Axis Karbon Kage

- + Unique bottle grip prevents bottle launching
- + Applicable for all road or trail conditions

MATERIAL	UD Carbon
COLOR	Blue, Pink or Silver Trim
Weight	33a



# Side Axis Kage

- + Secure clamp to prevent launching
- + 2 piece flip-flop mount to provide either side access

MATERIAL	Injected nylon/glass fibe	
COLOR	Black, Red White	
Weight	52g	
		9

# Axis Kage

- + Unique bottle grip prevents bottle launching
- + Applicable for all road or trail conditions

MATERIAL	Injected molded nylon/glass fiber
COLOR	Black with White, Red with White, White with Black
Weight	45a



# Stryke Kage

	KS	
MATERIAL	Injected molded nylon/glass fiber	
COLOR	Matte Black, Red, Blue, Yellow, White	
Weight	40g	
d	ddd	1

# Kage

MATERIAL	Nylon/glass fiber non-marking
COLOR	Black or White
Weight	52g



KS3



KS5

# KA8

# **B-TAB**

A low profile machined aluminum BTA mount that can run a standard bottle or the Aero HC system. It can also be rotated to mount a bottle vertically.

- + Compatible with 31.8mm basebar
- + Offset design provides fore/aft adjustment
- + Hinged bracket design allows for quick and easy install
- + Can be used all standard cage systems



# **HC Mount**

Lightweight aluminum crossbars mount to aerobar extensions for simple between-the-arms system for mounting a standard bottle cage. Easily and securely attaches to extensions up to 130mm (center-to-center) in width. Can mount above or below extensions for optimal bottle positioning.

- + System offered with our without Profile Design KA1 cage
- + Compatible with Aero HC Bottle



# ACRMP21

Innovative Elliptical Arch Clamp latches flush to rear of saddle.

+ 14° of adjustment for the cage to glide under saddles with a transition tab

Construction	Precision machined and stamped 6061-T6 aluminum
Color	Matte Black
Capacity	1 or 2 Vise Kages
Weight	200g
	KAGE LUDED

## **RML**

#### ACRML21

Fits like a glove. For nearly every saddle. Specially designed to fit tri transition tab saddles that often have trouble finding their rear hydration match. Leaves room for additional saddle storage

Construction	Precision machined and stamped 6061-T6 aluminum
Color	Matte Black or Whitek
Capacity	1, 2 or 3 Kages
Weight	228g
	PROFILE PESIGN

# Vise Kage

Firm-hold bottle retaining system. Recommended for Profile Design rear mount systems.

Construction	Nylon/glass fiber
Color	Black
Woight	27g



# RM-10

Featuring the new elliptical arch mount with a unique side-loading clamp for tilt adjustability

- + Replaces the cylinder nuts on the Ritchey 10mm Saddle Clamp standard
- + Multiple bolt placement along the bracket for multi-saddle compatibility
- + Patent pending arch clamp provides 14° of tilt adjustment

Construction	Steel post with Aluminum clamp	_
Color	Matte Black	
Capacity	l or 2 Vise Kages	
Weight	200g	

# Agua Rack ii



- + New reinforced design
- + Includes 2 lightweight Profile Design Kages
- + Includes CO2 mounting brackets Fits 31.6mm TO 27.2MM SEATPOSTS(SHIM INCLUDED)

Construction	6061-T6 aluminum clamp and extension
Color	Matte Black or White
Capacity	1, 2 or 3 Kages
Weight	228g



# Carbon Extensions

(35C, 45/25C, 50C)



The new range of extensions have evolved from our well proven T-Series. They have been designed to offer distinct fit options. We have also adopted a new naming system whereby the name gives the angle and material of the extension. Thus the 35c is a 35° bend in carbon.

#### Performance

The sole purpose of extensions is to provide a comfortable position for the riders hands relative to the armrests. They enhance performance by allowing the rider to relax into their optimal position. Which is why we provide different fit options so each rider can chase their best performance.

#### Fit Data

All of the new extensions are 400mm long, to allow for all sizes of rider to find their best fit. The 35c is a straight 35° bend The 50c is a dual bend with a 50° grip

They are designed for cables to be routed out the rear

The 45/25c has a first section at 45° and the grip at 25°. The rider can choose whether to hold high for a shrugged position or low for a more open, head up position.

The 50c and 4525c offer a 7.5mm lateral shift per side. This allows the rider to get their hands narrower or wider without tilting the extensions so much that the shifters touch.

#### Origin

Recent trends in aerobar fit have been towards higher hand positions, so we've increased the rise compared to the previous generation extensions. We have focussed on the most popular angles from our previous range and added the 45/25c as a multi position option.

#### Tech Guide

All the extensions have a 22.2mm diameter in the clamping area.

of the extension so do not have cable exit holes.

#### Who is it for?

The extensions will fit in any aerobar that is designed for 22.2mm. So can be used by any rider wishing to improve the comfort of their aerobar grips.



The 50c extensions offer a 50deg ski bend shape with a 7.5mm (per side) lateral shift This allows a neutral capability to fine tune the grip width. They are 400mm long and can be cut to size to suit nearly every rider. They are drilled for rear-exit cable routing.

ACC50EXT400



The new range of extensions have evolved from our well proven T-Series. They have been designed to offer distinct fit options. We have also adopted a new naming system whereby the name gives the angle and material of the extension. Thus the 35a is a 35° bend in aluminium.

#### Performance

The sole purpose of extensions is to provide a comfortable position for the riders hands relative to the armrests. They enhance performance by allowing the rider to relax into their optimal position. Which is why we provide different fit options so each rider can chase their best performance.

#### Fit Data

All of the new extensions are 400mm long, to allow for all sizes of rider to find their best fit.

The 35a is a straight 35° bend

The 50a is a dual bend with a 50° grip angle

The 45/25a has a first section at 45° and the grip at 25°. The rider can choose whether to hold high for a shrugged position or low for a more open, head up position.

The 50a and 4525a offer a 7.5mm lateral shift per side. This allows the rider to get their hands narrower or wider without tilting the extensions so much that the shifters touch.

#### Origin

Recent trends in aerobar fit have been towards higher hand positions, so we've increased the rise compared to the previous generation extensions. We have focussed on the most popular angles from our previous range and added the 45/25a as a multi position option.

#### Tech Guide

All the extensions have a 22.2mm diameter in the clamping area.

They are designed for cables to be routed out the rear of the extension so do not have cable exit holes.

## Who is it for?

The extensions will fit in any aerobar that is designed for 22.2mm. So can be used by any rider wishing to improve the comfort of their aerobar grips.



shape. They also have a 7.5mm lateral shift per side (15mm total) to allow fine tuning of the grip width. They are 400mm long to allow a wide range of riders to fit. The cable routing is designed to exit from the rear of the extension.

# Sonic Bracket

The forged aluminum bracket offers solid, easy to use construction alongside an industry leading fit range. It is also compatible with our riser kits. The bracket is designed for 31.8mm bars and 22.2mm extensions in aluminum or carbon.

Materials	Forged 6061-T6 AL
Stack Height	42.6mm
Width Adjustment	37mm
Basebar Clamp Diameter	31.8mm
Extension Clamp Diameter	22.2mm
Color	Black
Weight	234g



The bracket is forged to create a sleek low stack design. It offers significantly lower stack than the rest of the Sonic range while retaining the extensive reach and width adjustment options. It is compatible with 31.8mm basebars, our riser kits and 22.2mm extensions in aluminum or carbon.

Materials	Forged 6061-T6 AL
Stack Height	23.5mm
Width Adjustment	37mm
Basebar Clamp Diameter	31.8mm
Extension Clamp Diameter	22.2mm
Color	Black
Weight	352g





# Supersonic (J5) Bracket

The core of the FLYT System aerobars, the Supersonic (J5) bracket was built for adjustability with features that enable a customized fit to dial in rider position. The Inline Compression Clamp (ICC) provides single bolt extension adjustment that is simple, secure and easy to use. The updated offset bridge matched with the ERGO armrest gives the system expansive width and reach adjustment with a total of 80 unique armrest positions per side. Combine with the Aerobar Bracket Riser kit for up to 70mm of extra stack adjustment as well as an optional BTA bridge for additional integration.

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Materials	Forged 6061-T6 AL
Stack Height	42mm
Width Adjustment	37mm
Basebar Clamp Diameter	31.8mm
Extension Clamp Diameter	22.2mm
Color	Black
Weight	266g





AERIA/EVO: The new tilting bracket offers a significant increase in the fit range compared to the classic Aeria Fixed bracket as well as providing 0 - 10 degrees of tilt. There is no increase in stack compared to the fixed bracket, while the range and granularity of reach adjustment increase markedly (when paired with the Ergo or Race armrests). The pad width range is likewise increased to now allow much narrower positions and finer adjustments. The socket style extension clamp allows the addition of tilt functionality without increasing the overall frontal area. The bracket uses the existing Aeria spacers.

Materials	Forged 6061-T6 AL
Stack Height	33.5mm
Width Adjustment	37mm
Basebar Clamp Diameter	31.8mm
Extension Clamp Diameter	22.2mm
Color	Black
Weight	268g

# Supersonic (J5) BTA

The Supersonic (J5) BTA is specifically designed to integrate with the Supersonic (J5) Bracket featured on the new FLYT System Carbon aerobars. Building the BTA mount into the bracket system streamlines the cockpit providing improved performance while the bolt on mount stays secure on the roughest of roads. Moving the system away from the extensions opens up hand positions and works with the shortest of extensions. With a 3 position cage mount the perfect position is easy to find.

Construction	3D Forged 6061-T6 AL
Compatibility	Standard Bottle Cage Or AeroHC
Addjustability	3 Fore/Aft Positions
Color	Black
Weight	45g









# Flip Bracket

+ Two kits to choose from: 26.0mm, 31.8mm base bars

Materials	Forged 6061-T6 AL
Stack Height	24mm
Width adjustment	37mm
Color	Black
Weight	242g



# L2 Bracket

ACL2BRKTKT
This updated aerobar bracket features an aggressive low profile position and fit capabilities.

p		
Materials	Forged 6061-T6 AL	'
Stack Height	23mm	'
Width Adjustment	37mm	
Basebar Clamp Diameter	31.8mm	
Extension Clamp Diameter	22.2mm	
Color	Black	
Weight	276	
P		

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# Race Armrest 🔝

The Race is, as the name suggests, oriented towards holding the rider in a narrow, speed focused position. It offers a tight radius curve intended to very closely clasp the elbows - providing good control and helping the rider to stay in a tight position. The bolt pattern yields 32 possible confi gurations just by moving the armrest. The Race is compatible with all current aerobars and earlier models that used the F-19, F-22, F-35 or F-40 armrests.

Armrest Construction	Injected Nylon/Glass Fiber
Pad Construction	EVA foam with anti-bacterial/anti-microbial Lycra® cover
Pad Model	5mm
Color	Matte Black
Hardware	M6 x 10 FHB
Weight	145g/pair









The Ergo is the core of our new family of fit and comfort focused armrests. It offers a smoothly curved shape designed to comfortably cup the elbows while providing good support and control. The bolt pattern yields 48 possible configurations just by moving the armrest. The Ergo is compatible with all current aerobars and earlier models that used the F-19, F-22, F-35 or F-40 armrests.

Armrest Construction	Injected Nylon/Glass Fiber
Pad Construction	EVA foam with anti-bacterial/anti-microbial Lycra <sup>®</sup> cover
Pad Model	10mm
Color	Matte Black
Hardware	M6 x 10 FHB
Weight	145g/pair











# Boom (F-40) Armrest

The Boom (formerly F40) is essentially an armrest with a built in width extension. It was created to allow riders the capability for wide elbow positions and freedom to move around a bit more. Adjustability is, of course, a key part of the design with a 67.5mm fore/aft range in 7.5mm steps and 92.5mm (combined) of width adjustment in 18.5mm steps.

J3/J4/Supersonic (J5)/L1/L2/Aeria/Aeria Ult. 122mm X 84mm 19mm (w/Standard Pad) 7.5mm Increments
19mm (w/Standard Pad)
7.5mm Increments
18.5mm Increments
+/- 7.5°
Black
175g

# Aerobar Bracket Riser Kit

Need extra height to dial in your aero? Perfect your ride position by customizing the height of your aerobar bracket and extension.

- + Raises armrests and extensions together to maintain comfortable
- + Compatible with T+ Carbon Series, T+ Aluminum Series and ZBS Aerobars
- + Kits available in 5mm, 10mm, 15mm, 20mm, 30mm, 40mm, 50mm, 60mm or 70mm. Kit includes risers and bolts specific to the kit size.
- + Not recommended for use with L1 Bracket or Carbon Stryke

Clamp Diameter	31.8mm
Weight	10mm - 14g, 5mm - 7g

5MM, 10MM, 15MM: ACARBKRSKT 20MM: AC20RISKT

30MM: AC30RISKT 40MM: AC40RISKT 50MM: AC50RISKT

60MM: AC60RISKT 70MM: AC70RISKT



**BOOM RACE PAD** 

Armrest Material

**BOOM STANDARD PAD** 

**BOOM LUX PAD** 20MM ACF40VBLXPAD



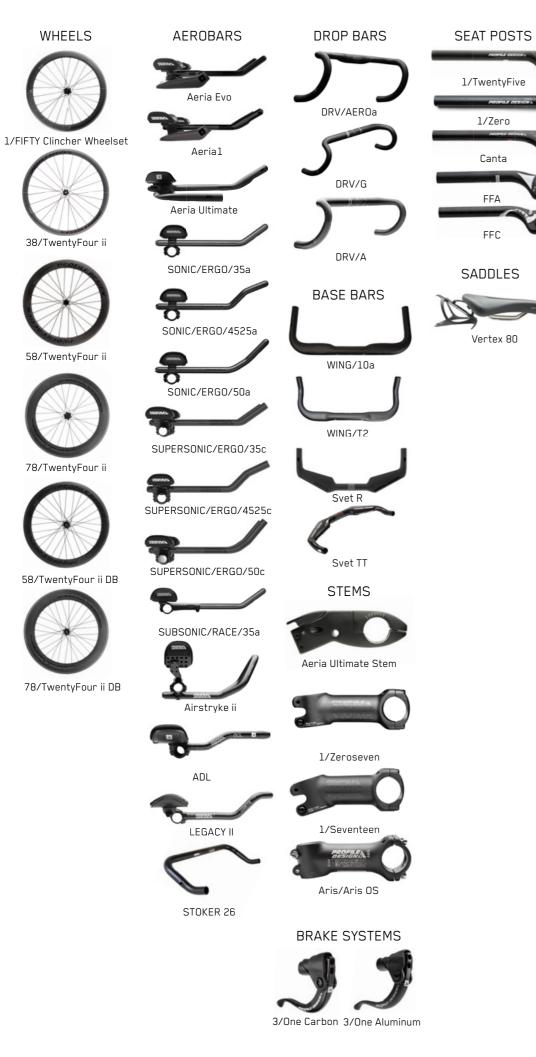




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**RACE / ERGO PAD** 

ACRCEG5PAD



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Icon SS Water Bottle









Aerobar Bracket Riser Kit





Threadless Converter

