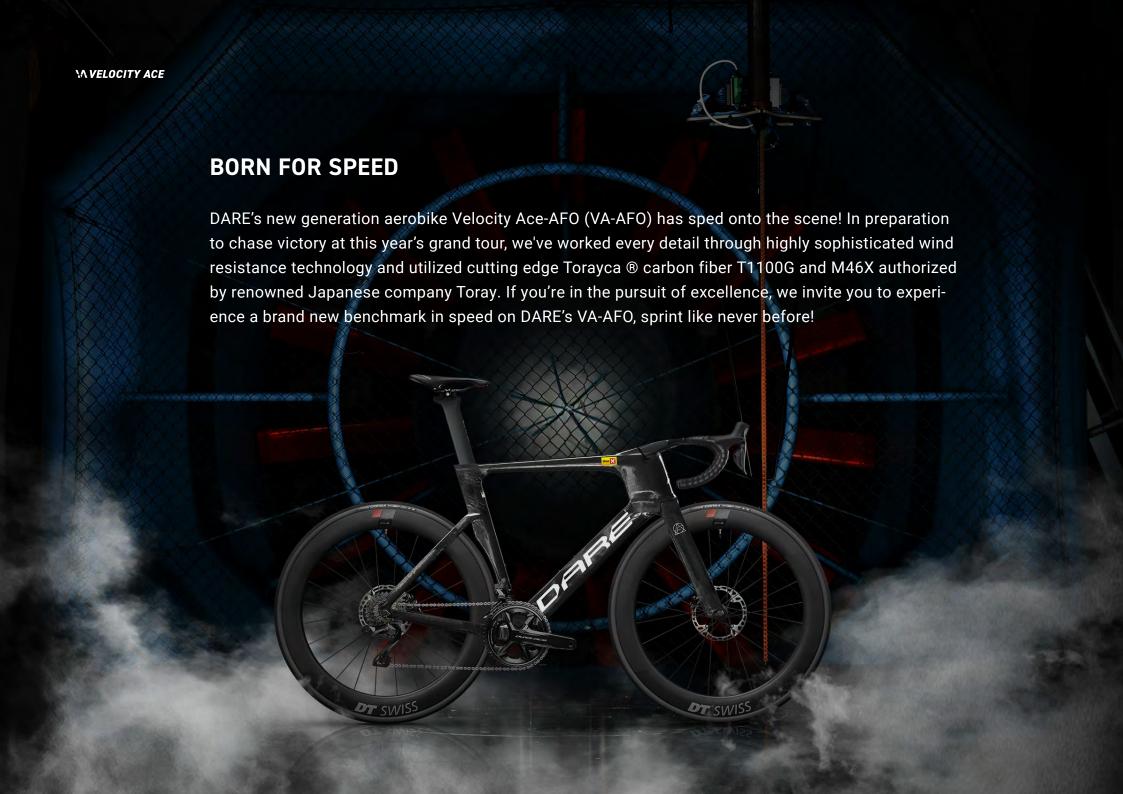






**GUIDE BOOK** 









# **DARE x Uno-X Mobitily**

Uno-X Mobility Team has been a crucial partner in the development of the VA-AFO. Since the end of the 2023 season, we've been collaborating closely, going through multiple prototypes, computer analyses, and track tests to ensure it meets top-tier performance standards, aiming to win in grand tour 2024!





# Uno X

# **SEASON 2024 SUMMER**

# **TOUR DE FRANCE**



STAGE 2-4



STAGE 1-11

# **ProTour Stage Win**

- Critérium du Dauphiné (UCI 2.UWT)
- ■■ Brussels Cycling Classic (UCI 1.PRO)
- **≡** Tour of Norway (UCI 2.PRO)
- ■■ Euro Shop Elfstedenronde (UCI 1.1)
- Antwerp Port Epic (UCI 1.1)
- ■■ Heylen Vastgoed Heistse Pijl (UCI 1.1)
- Cro Race (UCI 2.1)
- Veneto Classic (UCI 1.Pro)



### \\ \ VELOCITY ACE

"With the same wattage, riding VA-AFO is 1.5 times faster."

\_ Alex Kristoff Uno-X Mobility Team Lead Sprinter



"I can say this for certain, VA-AFO has achieved peak quality, our team is very satisfied and grateful for DARE's contributions these past few years."\_ Thor Hushovd Uno-X Mobility general manager





# STREAMLINED DESIGN, MAXIMUM PERFORMANCE

Our mission in designing the Velocity Ace was not to simply be better, but to be the best. In a world of speed, even one watt can be the difference between victory and defeat. That's why we turned to CFD experts in Switzerland to run simulations on each part of our frame, using software analytics to draw and reshape each tube into the optimal dimensions. After testing sample after sample to find the perfect airfoil tube shapes, we then tested in wind tunnels, using the resulting calculations to tweak the VA-AFO into its final form — a beast of pure speed.





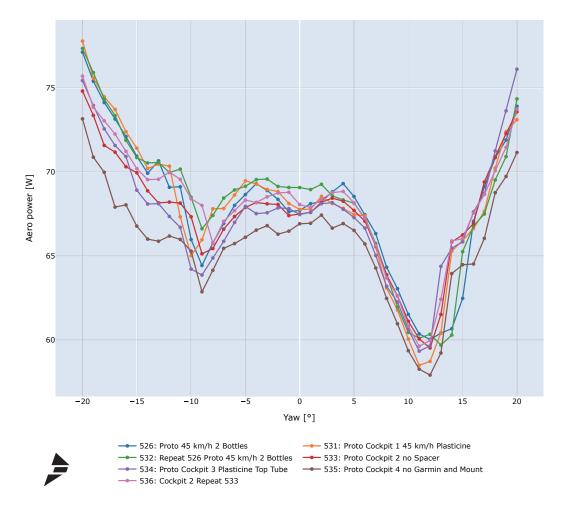




Under the same wind conditions of 45 km/h, VA-AFO reduces drag by 11.4W compared to VSRu, and by 4.7W compared to other top-tier aerobikes from competing brands!

According to big data from the Swiss aerodynamic institute, VA-AFO's overall aerodynamic performance ranks among the best in the market!

# **MULTIPLE WIND TUNNEL ADJUSTMENTS**





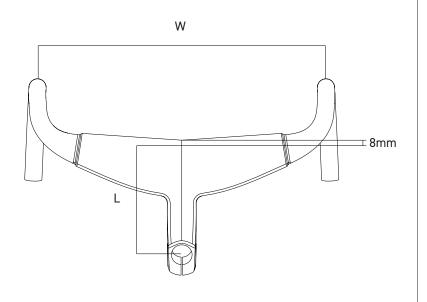




VA-AFO sizes

XL

# 17 standard sizes and 12 unique sizes for any of your geometry needs.



### Regular Size

90 x 340
 100 x 340
 110 x 340
 120 x 340
 90 x 360
 110 x 360
 120 x 360
 120 x 360
 120 x 380
 120 x 380
 120 x 400
 110 x 400
 120 x 400
 100 x 420
 110 x 420
 120 x 420

### Special Size \* ETD:12 weeks after ordering \*

130 x 360
 140 x 360
 150 x 360
 130 x 380
 140 x 380
 150 x 380
 150 x 420
 140 x 400
 150 x 420
 140 x 420
 150 x 420

### VA-AFO and V:C1 Size suggestion

V:C1 sizes

Narrow set Standard set Adjustable set

340x90 340x100 340x110 340x120 360x90 360x100 360x110 360x120 380x100 380x110 380x120 400x100 400x110 400x120 420x100 420x110 420x120

XXS

S

M

L













### Certified TORAYCA New-Gen Carbon Fiber

When we're pushing aerodynamics to the max, we don't need to sacrifice weight or stiffness because we use the highest quality carbon fiber, sourced from renowned Japanese company Toray. VA-AFO uses the cutting-edge Torayca® carbon fiber T1100G and M46X certified by Toray, combined with our AFO-exclusive DGTM carbon fiber. Not only is this composite stiffer than our previous generation aero road bike VSRu, it's also lighter by 100 grams!



## CeramicSpeed SLT headset bearings

To provide stable maneuverability throughout an extended ride, we've chosen to equip VA-AFO with CeramicSpeed's SLT headset bearings, which use solid, oil-encapsulated casings that are self-lubricated and fully sealed, so you won't need to worry about water or dirt affecting their condition.



### Attenion to Detail

Look closely and you'll find numerous clever little details on the meticulously designed VA-AFO, from a detachable front derailleur mount (for a sleeker look when using a 1x drivetrain), to a headset integrated into the top tube, to sealed front and rear dropouts, to a Di2 battery mount hidden in the down tube and a waterproofing ring for the seat post.



Water-resistant Hidden Seat clamp



Intergrade Mount Ready



Di2 Intergrade















### \^ VELOCITY ACE



for every Silver Lightning frameset purchased, one'll receive a DARE x Assos exclusive jersey(valued at USD 235)



\^ VELOCITY ACE



**START PAINTING** 

**OR. IRIDESCENT** 



### Uni: Solid



NIAGARA









SULPHUR

LEAF













LILAC

**0**S SILVER





CHAMPAGNE



LEAD GREEN



CERULEAN

**Uni: Dynamic** 







SHALE







IRIDESCENT

**Theme: Four Seasons** 















GRAY-WHITE

# Due: In n'Out







STONE



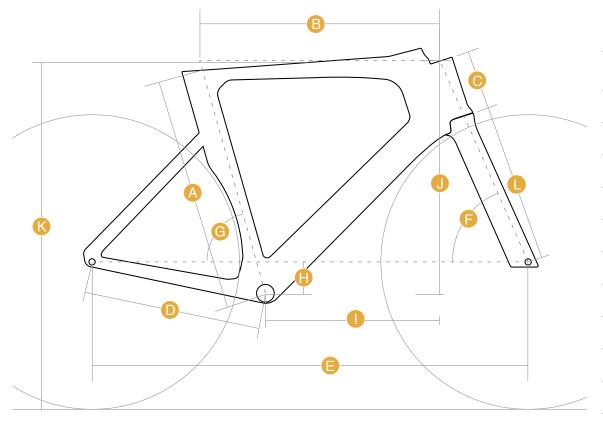






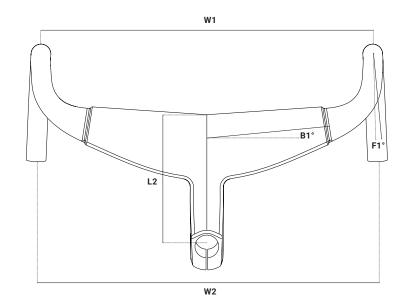
BORNITE

# VA-AFO Geometry



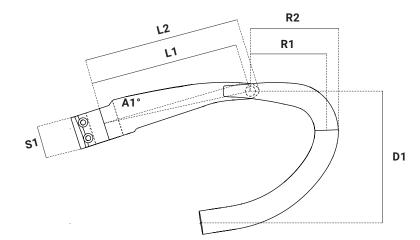
	Frame size	2XS	XS	S	М	L	XL
	Height(cm)	158   168	164   174	170   180	175   185	182   192	186   200
A	ST Length	480	500	520	540	560	580
В	Effective TT	507	519	544	562	580	598
•	HT length	77	96	117	138	161	181
0	RC length	410	410	410	410	410	410
<b>(3</b> )	Wheelbase	967	982	997	1015	1030	1048
<b>(3</b> )	HT angle	71	71.5	72	72	72.5	72.5
<b>©</b>	ST angle	74	74	74	74	74	74
<b>(1)</b>	BB drop	75	75	73	73	70	70
0	Reach	372	383	395	407	419	431
0	Stack	480	500	520	541	561	580
(8)	Standover	730	749	770	790	812	831
•	Fork Length	369	369	369	369	369	369

V:C1 Geometry



尺寸 (mm)	34	36	38	40	42
W1 Hood-to-hood	340	360	380	400	420
W2 Drop-to-drop	352	372	392	412	432
R1 Reach	80	80	80	80	80
R2 Reach	92	92	92	92	92
D1 Drop	133.8	133.8	133.8	133.8	133.8
F1 Drop flare	3	3	3	3	3
B1 Backsweep	-5	-5	-5	-5	-5
A1 Angle	-6	-6	-6	-6	-6
S1 Stack	33	33	33	33	33
L1 Stem length*	90 · 100 · 110 · 120	90 · 100 · 110 · 120	100 · 110 · 120	100 · 110 · 120	100 · 110 · 120
L2 Stem length	98 · 108 · 118 · 128	98 · 108 · 118 · 128	108 · 118 · 128	108 · 118 · 128	108 · 118 · 128

\*L1龍頭長度=龍頭束管中心到手把前緣弧度中心,即L2減8mm。



### Note:

- 1. This handlebar can only assembled withelectronic shifting gears.
- 2. If you have specific fitting requirements, please pay special attention to the measurements of L1.

