Foils

The new generation.

ktfoiling.com

Unmatched.

Foils.

Designed by Kane De Wilde, Jason Diffin.

We are excited to unveil our new line of contest and race winning hydrofoils, designed to push the boundaries of progression, performance, and innovation. With meticulous R&D, cutting-edge profiles, and future proof connections, these foils are crafted to seamlessly pair with any board and offer an unparalleled range of speed, glide and control.

Three distinct series cater to a wide range of riding styles and skill levels, ensuring that every rider can find a perfect match. Each foil has been individually designed and optimally tuned to provide the most balanced and efficient flight across different combinations of wings, masts and fuselages.

Rigorously tested by elite athletes like Kai Lenny, as well as everyday riders, KT Foiling is committed to delivering exceptional quality and performance.

Find the complete specs at the end of the overview.

Stock Models.

The Range.

Atlas Series New
Intermediate to Advanced, Prone, Wing, Downwind, Sup, Wake, Pump

Nomad Series New
Intermediate, Prone, Wing, Downwind, Sup, Wake

Instinct Series New
Beginner to Intermediate, Wing, Sup, Wake

Fuselages New
Available in Aluminum and interchangeable with the full range.

Masts New
Available in Carbon or Aluminum and interchangeable with the full range.

Each model comes with its own bespoke formfitting protective bag. Travel bag available. See Accessories in the Specs.

Kai Lenny & Otis Buckingham.

Atlas & Nomad

Atlas Series.

Foil

Unmatched efficiency, glide, acceleration and maneuverability for experienced riders.

The Atlas series is crafted for intermediate to advanced riders seeking exceptional glide, acceleration, and a broad speed range without compromising turning ability. Designed to optimize lift over a reduced surface area, the Atlas features a unique rear-loaded camber profile and low sweep, allowing it to operate efficiently even at surprisingly low speeds. Tuned for early lift, effortless pumping, speed generation, and high resistance to stalling or "dropping out," it delivers consistent performance across a wide range of conditions. Inflected wingtips make breaching turns and ventilation virtually unnoticeable, making the Atlas ideal for any progressing wing, surf, or downwind foiler. Despite its high aspect shape, the Atlas offers responsive maneuverability, carving, and glide, giving riders the freedom to master advanced maneuvers, tacks, and enjoy a smooth ride at any speed.

Highlights

Glide-Oriented Geometry: Low sweep with center of lift aligned for maximum efficiency at design speeds.

Advanced High Camber Airfoil: Optimized for maximum efficiency across a wide speed range, with a rear-loaded design that reduces surface area and boosts low-speed performance while maintaining stability and control.

Wide Range Efficiency: Maintains performance from low to high speeds.

Precision and Control: Offers reactive control for tight turns and deep carves.

Inflected Wingtips: Maximizes control through surface-piercing breaches with high resistance to ventilation.

High-Speed Performance: Exceptional acceleration and controlled top speeds.

Progression-Driven Design: Crafted to support and elevate rider progression.

Optimized for Surf and Downwind: Tailored for surf, wing, kite, or SUP foilers seeking ultimate freedom and performance.

Details

Due to the Atlas' unique high camber profile, early lift, and stall resistance, we recommend sizing down 10-20% compared to other foils on the market.

Available Sizes and Speed Ranges:

570 cm²: 9.5 - 36 mph
680 cm²: 8.5 - 34 mph
790 cm²: 8 - 33 mph
960 cm²: 7 - 30 mph
1120 cm²: 6.5 - 28 mph
1340 cm²: 6 - 26 mph

Finish: Available in satin Carbon Finish and timeless logos.

Hardware: High-quality 316 Stainless Steel Torx hardware available separately as box sets or individual spare pieces.

Find the complete specs at the end of the overview.

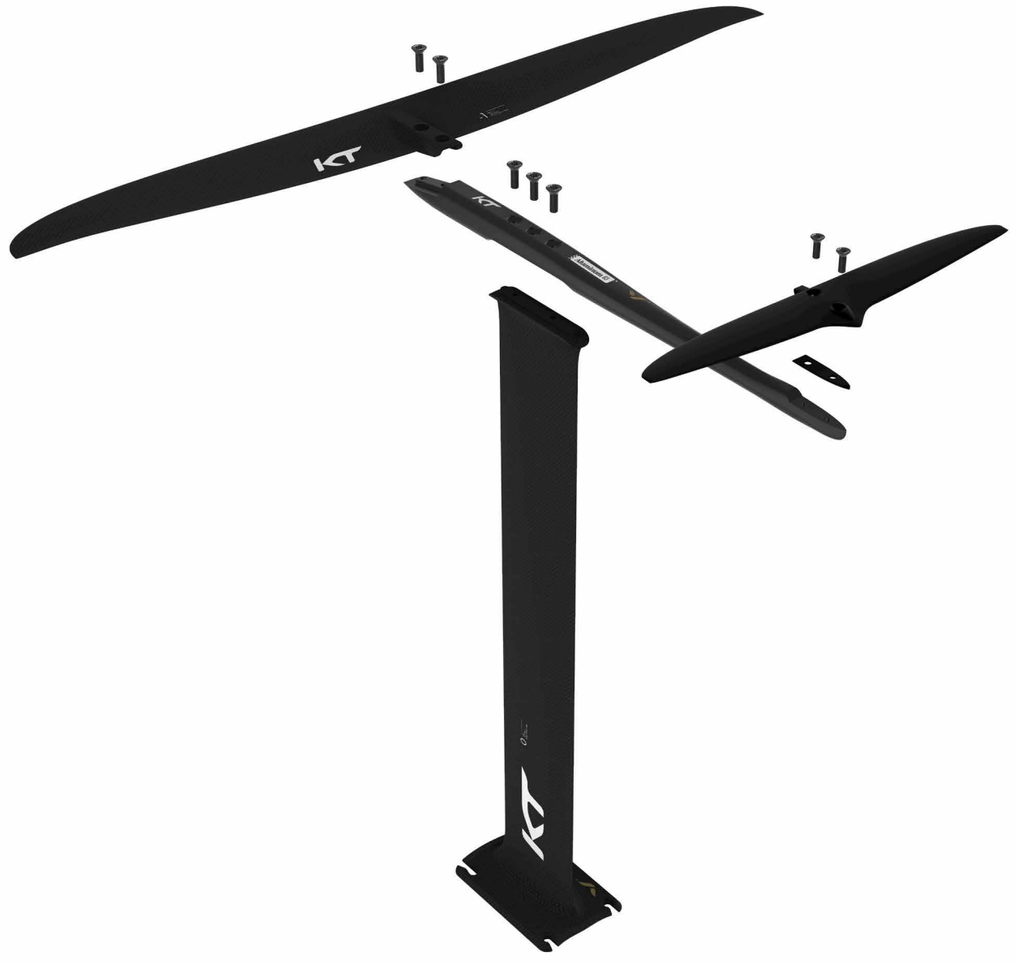
New

Atlas 960 & Atlas 170.

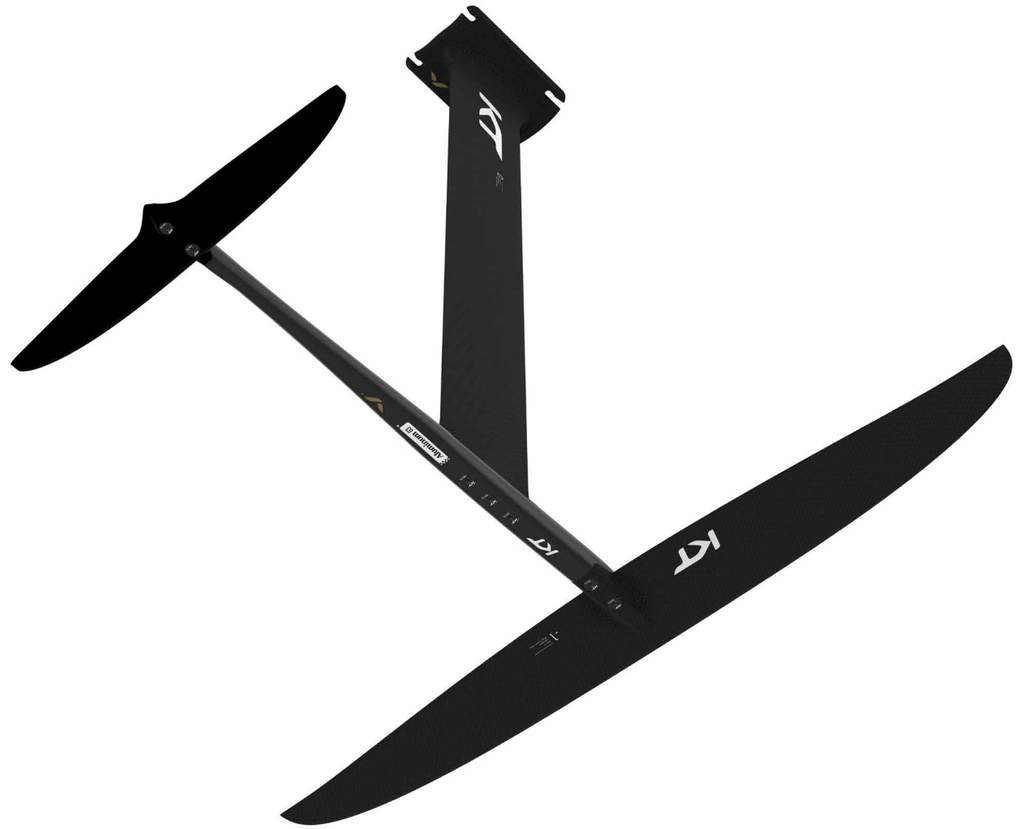
The renderings do not share the same scale.

Atlas Assembly.

Find the complete specs at the end of the overview.



Atlas Components.



Atlas Assembly.

Kai Lenny.

Atlas

Gwen Le Tutour.

Atlas


KT
Atlas 205
Area: 205 cm²
Span: 45.5 cm
AR: 10.09
Kane de Wilde

Nomad

Series.

Foil

Dynamic control, exceptional speed range, and adaptable performance across all conditions.

The Nomad series is designed to unlock intuitive handling and control over an exceptionally wide range of speeds and conditions. Ideal for quickly progressing intermediate to advanced wing and surf foilers, it's also a must-have for any level of prone, wake, or kite foiler. With a swept mid-aspect ratio design, the Nomad seamlessly flies and carves with an agile yet predictable feel. Its unique high camber foil section enhances early takeoff, pumping, and low-speed handling, while offering steady resistance to stalling. The compact span and inflected wingtips also offer noticeable resistance to ventilation during breaching carves and turns.

Highlights

Carve-Oriented Geometry: Swept mid-aspect ratio design enhances responsive and intuitive handling for surf and skate style performance.

Advanced High Camber Airfoil: Optimized for maximum efficiency across a wide speed range, with a rear-loaded design that reduces surface area and boosts low-speed performance while maintaining stability and control.

Inflected Wingtips: Enhanced control during surface-piercing breaches with high resistance to ventilation.

Versatile Performance: Excels across all foiling disciplines.

Wide Range Efficiency: Delivers consistent performance from low to high speeds.

Precision and Control: Reactive handling for rail-to-rail turns and control through whitewater and turbulence.

Compact Span: Designed for leaned-over carves, tighter turns, and minimal wingspan flex.

Optimized for Surf, Wing, and Wake: Tailored for turning and surf-style performance across various conditions.

Details

Due to the Nomad's unique high camber profile, early lift, and stall resistance, we recommend sizing down 10-20% compared to other foils on the market.

Available Sizes and Speed Ranges:

700 cm²: 8.5 - 34 mph
830 cm²: 8 - 33 mph
980 cm²: 7 - 30 mph
1160 cm²: 6.5 - 28 mph

Finish: Available in satin Carbon Finish with timeless logos.

Hardware: High-quality 316 Stainless Steel Torx hardware available separately as box sets or individual spare pieces.

Find the complete specs at the end of the overview.

New

Nomad 830 & Nomad 155.

The renderings do not share the same scale.

Nomad Assembly.

Find the complete specs at the end of the overview.

Otis Buckingham.

Nomad

Kane de Wilde.

Nomad

Atlas

KT


Nomad


Nomad 250
Area: 250 cm²
Span: 45 cm
AR: 8.1
KT

Instinct

Series.

Foil

New

Safety, stability, and easy progression for beginner to intermediate foilers.

The Instinct series is designed for beginner to intermediate foilers and wingers looking for safe and easy progression. These foils have a solid, controlled feel underfoot and offer predictable pitch stability from longer chord lengths and larger tails. The refined, balanced airfoil delivers a smooth, positive feel for stable and effortless flight. Rounded wingtips make the Instinct safer than other models, ensuring user-friendly flight to quickly build confidence. Perfect for schools, newcomers, and families, the Instinct series combines reliable takeoffs, smooth handling, and durable construction to make foiling more accessible and affordable to everyone.

Highlights

Swept Wing Design: Enhances stability and intuitive control, allowing riders to predictably manage lift and smoothly navigate turns and jibes.

Refined Balanced Airfoil: Trades a small amount of range for a smooth, stable, and effortless flight.

Solid Feel Underfoot: Offers stability, control, and predictable flight.

Intuitive Pitch Stability: Long chord length and large tails provide steady handling.

Safe Design: Rounded tips, soft edges, and durable connections enhance safety.

Forgiving Control: Ideal for learning and mastering the basics of wing foiling.

Details

Front wings are foam core, carbon wrap construction—light, durable, and of the highest quality.

Available in 5 sizes with specific speed ranges:

1450 cm²: 6.5 - 25 mph
1300 cm²: 7 - 25.5 mph
1120 cm²: 7.5 - 27 mph
920 cm²: 8 - 28.5 mph
720 cm²: 9 - 31 mph

Instinct uses Nomad 190 and 250 tails.

All parts are interchangeable with the full KT foil range.

Available in satin Carbon Finish with timeless logos.

High-quality 316 Stainless Steel Torx hardware available separately as box sets or individual spare pieces.

Instinct 1300.

Find the complete specs at the end of the overview.

Instinct Assembly.

Find the complete specs at the end of the overview.

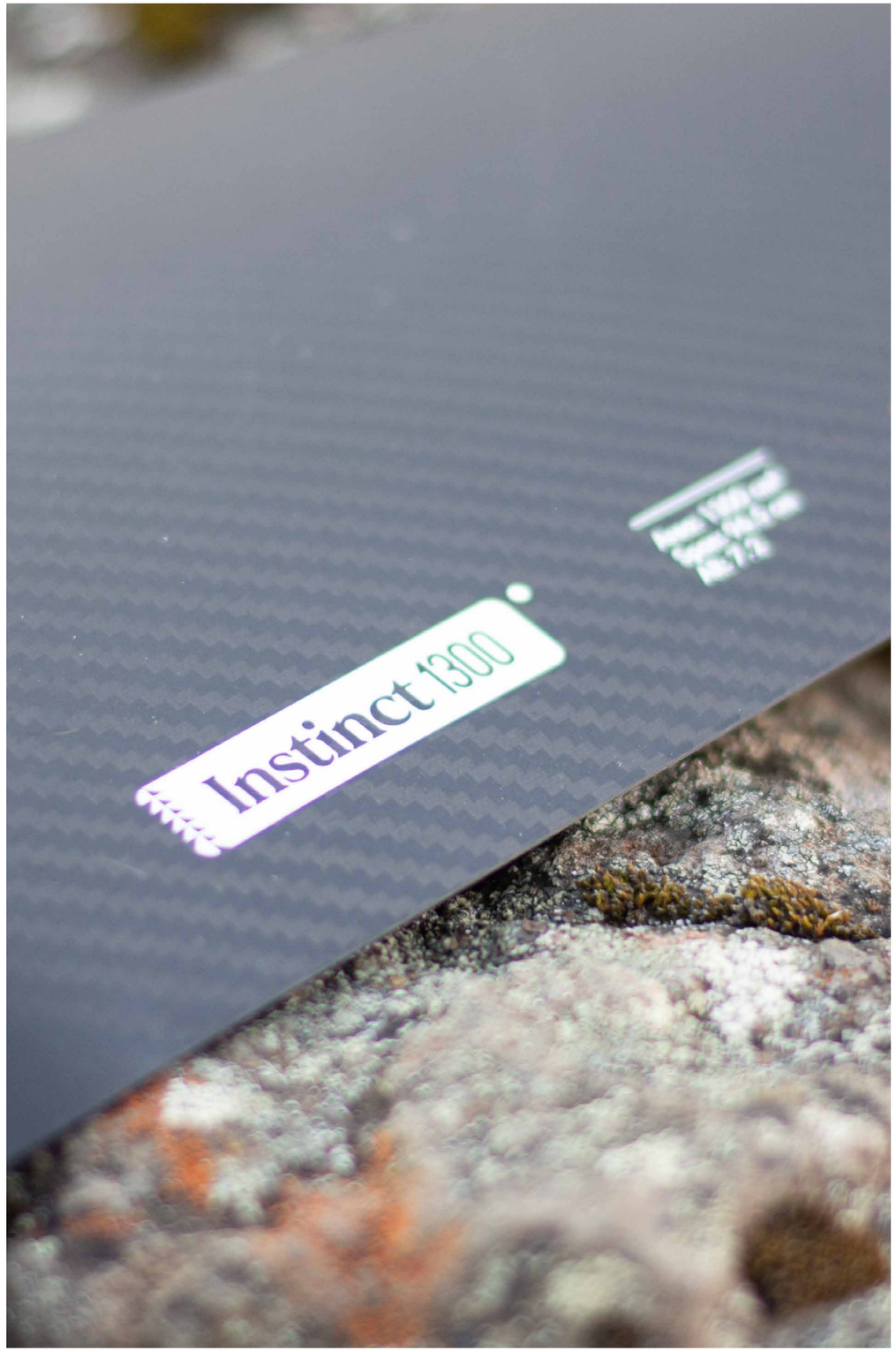
Kane de Wilde.

Instinct

Otis Buckingham.

Instinct


KT
Instinct 1300
KT
Instinct 1450
Area: 1450 cm²
Span: 96 cm
AR: 6.3
Instinct
KT


Instinct 1300

Fuselages

Aluminum.

Foil

Aluminum fuselages offer an exceptional strength-to-weight ratio, providing a stiffer response and a narrower, faster profile. This design enhances rigidity, offering excellent resistance to twisting and bending, which results in a more direct feel, added pop for freestyle tricks, and improved control through turbulence.

Our mast, front wing, and tail connections feature optimized cut-outs to minimize weight and drag, while the footprint connection ensures a precise, grooved fit, reducing wear compared to traditional tuttle connections. Anodizing ensures durability and corrosion resistance. The current connection will also accommodate potential future options for carbon fuselages.

Highlights

Stainless Steel Thread Inserts: Prevent corrosion and maintain structural integrity.

Lightweight Durability: Combines strength and lightness for enhanced control.

Enhanced Rigidity: Provides solid support, improving performance and rider confidence.

Reduced Diameter: Designed with a narrower profile to decrease drag.

Streamlined Future-Proof Connection: Footprint or grooved connection ensures a precise, durable fit, compatible with potential future materials.

KT Foiling Aluminum foil components are made from 6061-T6 aeronautical-grade anodized aluminum. Our Aluminum foil components are CNC-machined and have FEM structurally engineered connection details.

63 cm Fuselage

The 63cm fuselage offers increased stability and control, making it ideal for larger foils or beginner to advanced riders looking for stability. Its length provides a smoother, more forgiving ride, aiding in learning and progression. This fuselage also maintains stability in larger waves and at higher speeds, offering additional control in challenging conditions.

Stability and Control: Enhanced stability for easier learning and progression.

Smooth Ride: Forgiving and stable, especially beneficial with larger foils, larger waves, and at higher speeds.

Enhanced Handling: Improved pitch control, predictability, and versatility across all conditions.

56 cm Fuselage

The 56cm fuselage is designed for advanced riders seeking a responsive and dynamic ride. Its shorter length enhances maneuverability, ideal for tight turns and high-speed maneuvers. This fuselage adds excitement to sessions with quick adjustments and agility.

Responsiveness: Increased agility for dynamic performance.

Maneuverability: Ideal for tight turns and high-speed maneuvers.

Performance: Provides a lively riding experience with enhanced agility.

New

Aluminum 56.

Find the complete specs at the end of the overview.

Aluminum Fuselage

Aluminum Fuselage

KT

Tail Wing Shims & Connection Hardware Parts Box Set

Masts

Carbon or Aluminum.

Foil

Carbon Mast

Available in 70, 77, 85 cm.

Our Carbon Mast is constructed from a High Modulus (HM) Carbon blend, delivering superior strength and minimal weight. Its straight, zero-taper design ensures a consistent feel while reducing submerged drag, optimizing performance at high speeds. The ventilation-resistant foil section maintains efficiency even in turbulent conditions. At 15.5mm thickness, it strikes an ideal balance between rigidity, responsiveness, and speed, making it perfect for high-performance use, heavier riders, and high-aspect foils.

HM Carbon Blend: Combines superior stiffness with lightweight properties.

Zero Taper Design: Ensures consistent feel and reduced submerged drag.

Ventilation-Resistant Foil Section: Effective at high speeds, steep angles, and in turbulent conditions.

15.5mm Thickness: Balances rigidity, responsiveness, and speed.

Aluminum Mast

Available in 65, 70, 77, 85 cm.

The Aluminum Mast features a robust foil section with an optimized profile that offers impressive stiffness and minimal drag. Despite its 19mm thickness, the design performs like a thinner mast at higher speeds, maintaining comparable submerged drag to the Carbon Mast above 13 mph. It provides a durable and cost-effective alternative with solid, reliable performance.

Optimized Foil Section: Delivers excellent stiffness-to-weight ratio and low surface drag, with a 19mm mast designed to perform like a thinner mast.

High Ventilation Resistance: Maintains laminar flow and performance at aggressive angles, through turbulence, and at higher speeds.

Comparable Performance: Matches the submerged drag of the Carbon Mast at higher speeds.

KT Foiling Aluminum foil components are made from 6061-T6 aeronautical-grade anodized aluminum. Our Aluminum foil components are CNC-machined and have FEM structurally engineered connection details.

Baseplate

(Applicable to Both Carbon and Aluminum Masts):

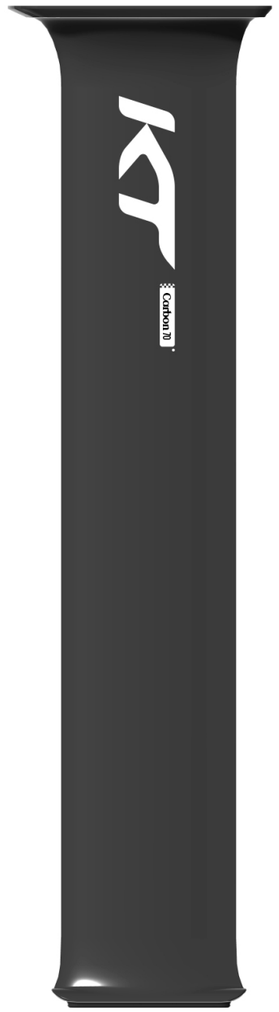
Low Profile Streamlined Shape: Reduces drag and enhances overall performance.

Seamless Integration with Shim: Easily insert baseplate shims from either side to adjust the board angle relative to the foil for quick and precise tuning.

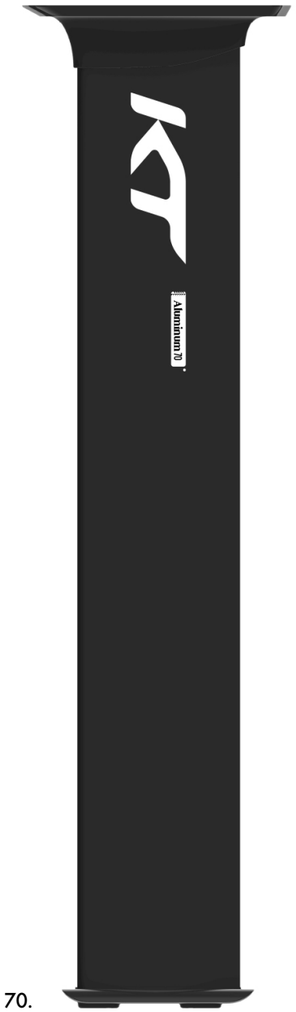
Short Cord Length for Maximum Adjustment: Offers flexibility in mast positioning across all foilboard brands.

Slotted M8 Screw Fittings: Allows for quick and easy mast installation or removal by sliding track screws on or off the baseplate.

New



Carbon 70.



Aluminum 70.

Find the complete specs at the end of the overview.

Carbon 70

Carbon Mast

Carbon Mast

KT

Base Plate Shim & 316 Stainless Steel Bolts

Launch New

Foils Specs Imperial / Metric

Front Wings Interchangeable

Atlas, Front Wing

Size	Area Sqin / Sqcm	Span Mm	AR	Airfoil Type	Sweep	Speed Mph	Level	Construction	Weight Kg
570	570	775	10.5	HC low bias	medium	9.5 - 36	Adv	Std mod +	0.53
680	680	850	10.6	HC low bias	low	8.5 - 34	Int, Adv	Std mod +	0.66
790	790	920	10.7	HC low bias	very low	8 - 33	Int	Std mod +	0.76
960	960	1020	10.8	HC low bias	none	7 - 30	Int	Std mod +	0.95
1130	1130	1110	10.9	HC low bias	none	6.5 - 28	Beg, Int, Adv	Std mod +	1.16
1340	1340	1220	11.1	HC low bias	none	6 - 26	Beg, Int, Adv	Std mod +	1.42

Nomad, Front Wing

Size	Area Sqin / Sqcm	Span Mm	AR	Airfoil Type	Sweep	Speed Mph	Level	Construction	Weight Kg
700	700	780	8.7	HC low bias	high	8.5 - 34	Int, Adv	Std mod	0.67
830	830	860	8.9	HC low bias	high	8 - 33	Int	Std mod	0.83
980	980	950	9.2	HC low bias	medium	7 - 30	Beg, Int	Std mod	0.96
1160	1160	1050	9.5	HC low bias	medium	6.5 - 28	Beg, Int	Std mod	1.19

Instinct, Front Wing (Instinct uses Nomad 190 and 250 back wings.)

Size	Area Sqin / Sqcm	Span Mm	AR	Airfoil Type	Sweep	Speed Mph	Level	Construction	Weight Kg
720	720	765	8.12	MC mid bias	medium	9 - 31	Beg, Int	Std mod +	0.65
920	920	880	8.41	MC mid bias	medium	8 - 28.5	Beg, Int	Std mod +	0.90
1120	1120	971	8.40	MC mid bias	medium	7.5 - 27	Beg, Int	Std mod +	1.10
1300	1300	965	7.16	MC mid bias	high	7 - 25.5	Beg, Int	Std mod +	1.09
1450	1450	960	6.33	MC mid bias	high	6.5 - 25	Beg, Int	Std mod +	1.23

Back Wings Interchangeable

Atlas, Back Wing

Size	Area Sqin / Sqcm	Span Mm	AR	Airfoil Type	Sweep	Level	Construction	Weight Kg
145	145	375	9.7	MC wide range	low	Int, Adv	G10	0.12
170	170	415	10.1	MC wide range	low	Int	G10	0.15
205	205	455	10.1	MC wide range	low	Beg, Int	G10	0.19

Nomad, Back Wing

Size	Area Sqin / Sqcm	Span Mm	AR	Airfoil Type	Sweep	Level	Construction	Weight Kg
155	155	350	7.9	MC wide range	low	Int	G10	0.14
190	190	385	7.8	MC wide range	low	Beg, Int	G10	0.19
250	250	450	8.1	MC wide range	low	Beg	G10	0.29

Levels

Level	Winging	Prone	Sup
Beg	First time to staying upwind	First time to learning to stand, riding waves	First time to balancing flat water
Int	Gybing and learning to ride waves	Riding waves with control	Short to medium glides, short runs
Adv	Learning to confident in tacks, jumps, waves, light wind, speed	Pumping and turning, steep takeoff	Long glides, longer runs, turning
Pro	Expert in jumps, waves, light wind, or race	Whitewater hits, airs, extended rides	Carving, racing, very long runs

L = Liters, Cm = Centimeters, Ft = Feet, In = Inches, Sqm = Squaremeters, Kg = Kilograms, Lbs = Pounds, C = Center Fins, S = Side Fins.
Tail widths = measured at 30 cm from tail. Track Position = Distance from tail of board to rear edge of foil box. Foil boards come without foil. Weights +/- 7.5% tolerance.
No guarantee or warranty of accuracy. We reserve the right to make changes at any time without notice.

Launch New

Foils Specs Imperial / Metric

Fuselages Interchangeable

Fuselage, Aluminum

Size	Length Mm	Thickness Mm	Level	Construction	Weight Kg
56	560	31	Beg, Int, Adv, Pro	Aluminum	0.80
63	630	31	Beg, Int, Adv, Pro	Aluminum	0.90

Masts Interchangeable

Mast, Carbon

Size	Area Sqin / Sqcm	Length Mm	Thickness Mm	Level	Construction	Weight Kg
70	900	700	15.5	Beg, Int, Adv, Pro	HM + STD	1.80
77	980	770	15.5	Beg, Int, Adv, Pro	HM + STD	1.52
85	1085	850	15.5	Int, Adv, Pro	HM + STD	1.58

Mast, Aluminum Please note this is only the aluminum extrusion, see required adapters below

Size	Area Sqin / Sqcm	Length Mm	Thickness Mm	Level	Construction	Weight Kg (extrusion only)
65	767	650	19	Beg, Int, Adv, Pro	Aluminum	1.29
70	825	700	19	Beg, Int, Adv, Pro	Aluminum	1.39
77	908	770	19	Beg, Int, Adv, Pro	Aluminum	1.53
85	1003	850	19	Int, Adv, Pro	Aluminum	1.69

Adapters, Aluminum

Item	Description	Construction	Weight Kg
Mast Plate	Connects a KT Aluminum Mast to any foilboard with tracks	Aluminum	0.47
Doodad	Connects a KT Aluminum Mast to any KT Fuselage	Aluminum	0.12

Levels

Level	Winging	Prone	Sup
Beg	First time to staying upwind	First time to learning to stand, riding waves	First time to balancing flat water
Int	Gybing and learning to ride waves	Riding waves with control	Short to medium glides, short runs
Adv	Learning to confident in tacks, jumps, waves, light wind, speed	Pumping and turning, steep takeoff	Long glides, longer runs, turning
Pro	Expert in jumps, waves, light wind, or race	Whitewater hits, airs, extended rides	Carving, racing, very long runs

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Foils Specs Imperial / Metric

Assembly Interchangeable

Mast Plate Shim

Size	Angle	Speed Mph	Level	Construction
Fits all	1°	All	Beg, Int, Adv, Pro	Plastic

Connection Hardware Parts

Item	Description / Contents	Construction
Carbon Box Set	Board to Carbon Mast Plate Set - 4x M8 T Nuts & 4x M8x30 Torx Bolts	316 Stainless Steel
	Carbon Mast to Aluminum Fuselage Set - 3x M8x35 Torx Bolts	316 Stainless Steel
	Aluminum Fuselage to Wings Set (FW 2x M8x24 Torx Bolts & BW 2x M6x20 Torx Bolts)	316 Stainless Steel
	Shim Set (2.5°, 2.0°, 1.5°, 1.0°, 0.5°, 0°, -0.5°, -1.0°, -1.5°, -2.0°, -2.5°, -3,0°)	
	Mast Plate Shim 1°	
	Torx Wrench T40 for M8	
	Torx Wrench T30 for M6	
	Tool Box	
Aluminum Box Set	Board to Aluminum Mast Plate Set - 4x M8 T Nuts & 4x M8x30 Torx Bolts	316 Stainless Steel
	Aluminum Mast Plate to Aluminum Mast Set - 2x M8x35 Torx Bolts	316 Stainless Steel
	Aluminum Mast to Aluminum Fuselage Set - 2x M8x60 Torx Bolts	316 Stainless Steel
	Aluminum Doodad to Aluminum Fuselage Set - 1x M8x30 Torx Bolt	316 Stainless Steel
	Aluminum Fuselage to Wings Set (FW 2x M8x24 Torx Bolts & BW 2x M6x20 Torx Bolts)	316 Stainless Steel
	Shim Set (2.5°, 2.0°, 1.5°, 1.0°, 0.5°, 0°, -0.5°, -1.0°, -1.5°, -2.0°, -2.5°, -3,0°)	
	Mast Plate Shim 1°	
	Torx Wrench T40 for M8	
	Torx Wrench T30 for M6	
	Tool Box	
T Nut M8	Board to Mast Plate	316 Stainless Steel
Bolt M8x30	Board to Mast Plate / Aluminum Doodad to Aluminum Fuselage, Torx	316 Stainless Steel
Bolt M8x35	Aluminum Mast Plate to Aluminum Mast, Torx	316 Stainless Steel
Bolt M8x60	Aluminum Mast to Aluminum Fuselage, Torx	316 Stainless Steel
Bolt M8x24	Front Wing, Torx	316 Stainless Steel
Bolt M6x20	Back Wing, Torx	
Back Wing Shim Set "+"	2.5°, 2.0°, 1.5°, 1.0°, 0.5°, 0°	
Back Wing Shim Set "–"	-0.5°, -1.0°, -1.5°, -2.0°, -2.5°, -3,0°	
Torx Wrench T40	For M8	
Torx Wrench T30	For M6	

Accessories Interchangeable

Travel Bag

Size cm	Level	Construction
110 x 18 x 27 (Fits all KT Foiling parts except Atlas Front Wing 1340)	Beg, Int, Adv, Pro	Polyester

Levels

Level	Winging	Prone	Sup
Beg	First time to staying upwind	First time to learning to stand, riding waves	First time to balancing flat water
Int	Gybing and learning to ride waves	Riding waves with control	Short to medium glides, short runs
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