



The Performance Mast range is a clean-sheet design that takes the Armstrong feeling riders know and love to new heights.

Sophisticated engineering and top shelf Toray high modulus carbon give these masts a unique combination of efficiency, stiffness and control at speed.



# PERFORMANCE MAST RANGE







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*As the sport develops, riders push themselves and the equipment to the limits. After listening to feedback, we wanted to develop a new, innovative, ultra high-performance mast that minimizes drag and ventilation while also being stiffer and even more responsive.*

*Armie Armstrong*

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**SPECIFICATIONS:**

**LENGTH:** 1035mm

**WEIGHT:** 2195g

**RECOMMENDATIONS:**

KITE

WING (HIGH WIND/RACE)

TOW (SURF XL)



# SURF FOIL



**Collaborating with a team of America's Cup foil engineers,** we set out to develop a high performance mast to take us into the future. Our design goal called for a unique blend of strength, stiffness, drag and light weight. Combining CFD analysis with expert insight allowed us to tune each section of the mast from baseplate to fuselage connection for maximum efficiency.

📷 JEREMY NGUYEN RIDER: OSKAR JOHANSSON





# PERFORMANCE MAST

Structural analysis shows that a combination of both high modulus (HM) and intermediate modulus (IM) carbon fibers best distributes loads throughout various sections of the mast. HM's stiffness minimizes flex in the mast's central strut area and IM's high tensile strength caters to the complex shapes of the top plate and fuselage connection.

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**SPECIFICATIONS:**

**LENGTH:** 935mm

**WEIGHT:** 2075g

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**RECOMMENDATIONS:**

WING

TOW SURF

KITE



Simply put, the Performance Mast range takes the sublime Armstrong feeling further than ever.



The result is a top of the line mast consisting of top shelf materials, new mast section, refined baseplate, reduced drag fuselage connection and new construction method.

New proprietary titanium M7 mast top hardware follows suit with a strong and lightweight connection to the board.



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**SPECIFICATIONS:**

**LENGTH:** 795mm

**WEIGHT:** 1745g

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**RECOMMENDATIONS:**

PRONE SURF

SUP SURF

WAKE

WING

DOWNWIND



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*Working with the latest premium composites available, we torture tested over 100 prototypes to work out the optimal fiber orientation for strength and designed flex. In keeping with our philosophy of strength and light weight, we redesigned the mast top geometry to shave off every possible extra gram of dead weight.*

Armie Armstrong

