

PRODUCT RELEASE

DW PERFORMANCE FOILS



DOWNWINDING AMPLIFIED.

Our Downwind Performance foil range is bred for the raw energy of deepwater offshore swell.

The first foils in our new Armstrong Performance Series, the Downwind range was specifically developed to race in the SUP downwind division across Hawaii's interisland channels. Already a proven Molokai2Oahu World Championship podium-finisher under the feet of team rider Oskar Johansson, the DW Performance range is tailored for expert level SUP downwind aficionados seeking next level freedom in open water.



Available in 3 sizes from 685 - 930cm²



"THESE FOILS HAVE A SPEED RANGE LIKE NOTHING ELSE I HAVE RIDDEN"



OSKAR JOHANSSON
2023 Molokai2Oahu
SUP Foil 2nd Place

"They have a low enough stall speed for getting on foil, but then have an incredibly high top end that allows you to ride the fast open ocean swells. The foils also have a very neutral front and back foot pressure that doesn't change with different speeds, giving a comfortable feeling at high speeds."



ACCESS ULTIMATE SPEED

The product of cutting edge hydrodynamics and foil technology.

Project development began with collecting waveform and real-world riding data from Hawaii's interisland channels to set specific design parameters. Leading fluid dynamics (CFD) resources helped optimise a foil shape that had extreme glide with accessible low end flight speeds for race starts in milder conditions. The result offers incredible top end potential and remarkable stability that only feels better as riding speed increases.



ARMIE ARMSTRONG



FEATURES:

Ultra High Aspect Ratio

From 13.0 - 13.55 AR for maximum glide.

Evolutive Section Shape

The foil section is slightly different at each station across the foil span for maximum efficiency.

Premium Construction

Made from Toray intermediate and high modulus carbon fibre.

Armstrong A+ System

Our proprietary foil assembly design that joins the mast, fuselage, front foil and stabiliser together for a solid and smooth feeling on the water.



Subtle Anhedral to Dihedral Shape

For more pitch and roll stability at higher speeds without feeling locked in.





The ultimate modular foil assembly system.

The A+ System is our proprietary foil assembly design that joins the mast, fuselage, front foil and stabiliser together for a solid and smooth feeling on the water.

- ▶ Hexagonal carbon fibre fuselage with a titanium rod core has progressive flex qualities that balance stiffness with a uniquely smooth feel underfoot.
- ▶ Minimises flex from the extreme torsional forces produced by high aspect foils.
- ▶ Premium 316 steel and titanium hardware eliminates corrosion and provides a naturally snug fit, no tef gel required.
- ▶ Polycarbonate Pro shims allow for half degree incremental changes to stabiliser pitch for incredibly easy tuning of the foil's flight characteristics.



PERFORMANCE SERIES

Our Performance Series represents the pinnacle of Armstrong foiling equipment.

Created to push boundaries in design process and material selection, these products invite advanced riders on a truly next-level riding experience.



SIZE RANGE

Three sizes from 685 - 930cm²



PERFORMANCE
DW 685

Area	685cm ²
Span	960mm
AR	13.55
Weight	TBC



PERFORMANCE
DW 755

Area	755cm ²
Span	1000mm
AR	13.25
Weight	TBC



PERFORMANCE
DW 930

Area	930cm ²
Span	1100mm
AR	13.0
Weight	TBC



ARMSTRONGFOILS.COM

