

Laminar flow fin systems

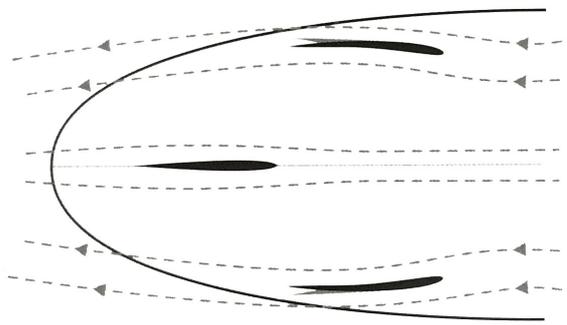


Powerdrive

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Powerdrive fins harness the attached laminar flow. As the water flows down each side of the foil, the fins align to water flow, reducing drag.



Powerdrive fin during a turn.

Added traction = increase in lift.

Improved laminar flow.

Standard fins during a turn

Pressure builds up on rigid rear edge creating drag.

Turbulence = speed loss.

The attached laminar flow is interrupted while turning.

Powerdrive fin exiting a turn.

Increased forward propulsion.

Store and release of energy.

Standard fin exiting a turn.

Loss of speed and lift.

Turbulence = cavitation.

Krypt Surf Technology Power Drive Fins are an active fin, with 30 years of design development and refinement behind them. The blade of the Power Drive Fin is free from the board and moves in response to water pressure and rider input. The harder you turn, the greater the movement and flex of the blade. This results in increased drive, speed and smooth, powerful acceleration through your turns.

The principle behind the Krypt Surf Technology Power Drive Fin design is to keep as much smooth water flow in contact with the foil of the fin at all times. The technical term for this process is 'active laminar flow.'

As the solid fibreglass fin flexes off and over steers the surf board, responding to the rider input and water pressure, the blade of the fin allows the laminar flow of the water to remain attached, storing and releasing energy through each turn. This also opens up your angle of attack at the lip through bottom turns and roundhouse cutbacks.

Now available in the ultimate 5 fin set-quad/thruster and dual/twins fin pack.

