

Oscar Propulsion Sports – Cut SUP, Kayak & Canoe Paddle Blades



For the past 5 years we have been developing a patented technique and application of putting cuts through the face of rowing and paddle blades, the primary objective being to reduce the physiological impact on the body and stabilise the action without the loss of any power or efficiency. Our cut technology can be incorporated in all makes and types of paddle blades.

Our results are revolutionary

Catch/Start

- Softer lock on
- More stable lock on
- More secure lock on

Physiological

- Progressive power curve
- Significantly less shoulder, neck and back stress

Drive Phase

- More stable
- More comfortable
- Longer stroke

Performance

- No loss of performance or power from the blade
- Less physiological stress, enabling longer outings and more enjoyment

The physics: High pressure water created on the front of the blade during a stroke escapes round the edges (backflow) to fill the low-pressure area at the back. The cuts allow some high-pressure water to squeeze through the cuts and in so doing lose energy and become low pressure so compensating for some of the backflow. By maintaining the High/Low difference and allowing some water through the face of the blade the cuts facilitate a more progressive power curve making the catch/start softer and spreading the power more evenly through the stroke. The stroke is also more efficient for a longer distance and the extraction is cleaner. The paddler will experience lighter loading on the body for no loss of efficiency delivering maximum enjoyment and potential to be achieved. This is a revolutionary advance for paddle sports and will offer greater comfort and enjoyment at all levels.

Contact Oscar Sports if you would like or more information

sport@oscarpropulsion.com

Quotes

David Haze – The Nomadic Paddler – 8 World SUP Records

“The more I am using the paddle the more I am impressed. With regards to the time trial, I set a benchmark with the uncut blade and ran 6 trials. The cut blade was faster on each run, on average 3 seconds faster. My next plan is to take it with me on a much longer paddle to get a true feel for the performance.

I have done a couple of long paddles since we last spoke. After doing a couple of 20km paddles I could definitely feel the differences as the blade went through the water, which also seemed to relieve the stress in my shoulders and forearms when digging deep. Putting the blades through its paces when I do the Thames challenge will be an interesting test.

Something else that struck me is the stability when going against the elements such as the current/tide and wind.

Lough Corrib (43km) in Ireland proved to be a great test whilst paddling against strong winds for the majority of my time. I found the paddle locked onto the water much better than an uncut blade making my experience on the board much more stable and helped me move through the water with more ease. I honestly believe the cut blade aided a faster recovery for me in the following days, by providing less stress on my body whilst fighting the conditions out on the water.

I have personally tested the cut blade in many different ways in many different conditions and the results are there!”

SUPBoarder Magazine – Head to head test with cut v uncut paddle – August 2022 edition

“Summary – Super soft catch, stable in the water, no flutter and no loss of performance.”

Sam Saunders – Senior Kayak Coach at The Leaside Trust

“The paddles feel soft in the water
They bounce a little at the end of the stroke
They make a soothing noise on entry
The rate of paddle strokes is slightly increased
They are easy to paddle with
They work well on longer trips (we took them sea kayaking on a 15km trip and they were the paddles people wanted to use)
People didn’t tire as quickly when using them”

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