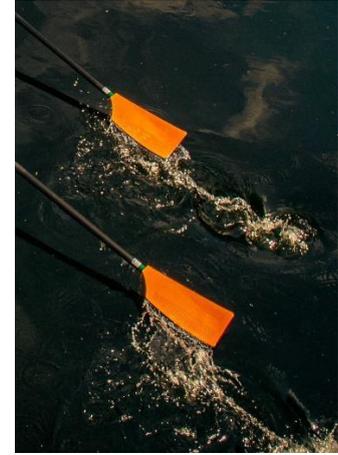


Oscar Propulsion Sports – Cut Rowing Blades



For the past 5 years we have been developing a patented technique and application of putting cuts through the face of rowing blades, the primary objective being to reduce the physiological impact on the body without the loss of any power or efficiency. We can apply our cut technology to all makes of rowing blades.

Our results are revolutionary

Catch

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

Drive Phase

- Good acceleration
- Easier to keep the blade locked on through to the finish
- Longer stroke

Exit

- Cleaner exit

Physiological

- Progressive power curve
- Significantly less back pain

Performance

- No loss of performance or power from the blade
- Less physiological stress, enabling maximum performance

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 the flattening of the power curve at the catch making the catch 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 rower will experience lighter loading on the body for no loss of efficiency allowing maximum potential to be achieved. This is a positive advantage for the sport in general by reducing injury.

Contact Oscar Sports if you would like further information

sport@oscarpropulsion.com

Quotes

Rachel Morris PR1 2016 Olympic Gold

"I am really excited to feel the lock onto water again and power through the boat & blades! I have been unable to engage with elite rowing since bilateral shoulder reconstruction after Rio2016.

I have been training and back up to elite fitness but unable to train full time in rowing due to the risk of injuring them again.

I can really see the blades having an incredibly positive affect on minimising the back/ shoulder/ hip injuries Elite rowers unfortunately are susceptible to."

Adrian Miramon World Coastal champion 2022

"Since using the cut blades I have noticed there is less stress and fatigue on my back. The cut blade allows for a softer catch and therefore less loading on my back and body in general."

"My feeling is that these blades would seriously reduce and minimise back injuries which rowers are susceptible to. I myself have suffered back injuries in the past but since using the cut blades I have encountered no symptoms of back pain."

Other quotes

Two rowers, both Olympic medalists and European Champions

Say that they "notice a much softer catch right from the first few strokes." They "feel a gentler entry." In addition, both also agree that "the oar/blade feels more stable through the stroke than the regular oars [they] use."

International Rowers

"More comfortable to use; stays locked on to the water; finishes are cleaner; makes the boat a more stable platform to work from."

"Softer catch, less risk of back overload"

"Easy to use; positive connection at the catch; stability throughout the draw; good clean extraction"

UK Masters

"Allow you to scull with more confidence - everything locked; no instability; cleaner catch and finish; better buried during the drive"

Quad Quotes - Masters

"We have used the Oscar blades in our quad for 3 outings. I listened carefully to how my crew mates were reacting. They were universally delighted with the way the blades felt and behaved in the water. The blades lock on to the water very positively. Finish is cleaner too. It is simply easier to row well with these blades."

"As a crew I felt our power phases were better synchronised and boat stability improved Instantly."