

Oscar Propulsion Sports – Cut Dragon Boat 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 of Dragon Boat paddles.

Our results are revolutionary

Catch

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

Drive Phase

- Good acceleration
- More stable, less flutter
- More comfortable
- Longer stroke

Exit

- Cleaner exit

Physiological

- Progressive power curve
- Significantly less shoulder and back stress

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 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, especially the inboard shoulder, for no loss of efficiency allowing maximum potential to be achieved. This is a revolutionary advance for paddle sports and will offer greater comfort and reduced injury.

Contact Oscar Sports if you would like further information

sport@oscarpropulsion.com

Quotes

"Your paddles seemed softer at the catch / start, were easier to keep going as the pieces went on."

"I tried it out in a single today against my original paddle and surprisingly I'm getting roughly the same speed. I was expecting it to be slightly less as the loading on the blade seems a lot less. The rate is slightly higher probably again because of the less loading on the blade through the water."

"Less effort is required at the catch to make an effective catch. Normally, the catch has to be made with an aggressive downward drive from the inboard shoulder. With the new design, the catch can be made less aggressively."

"Having made the catch, it remains in place throughout the power phase of the stroke"

"With a less aggressive catch, there has to be benefits in terms of the reduction of shoulder injuries in the long term. This paddle could be beneficial for new paddlers, older paddlers and those recovering from shoulder injuries."

"I found your new one meant I was having to put less push down on the catch. So less strain was going into the physio braces I wear on my arms to now try and prevent/minimise tennis elbow issues I have"

"GB premier open paddler

I found that the paddles offered immediately noticeable benefits during our session:

Less fatigue. Despite it being a long session, I felt fairly fresh throughout.

Less sore shoulder/back - despite paddling for an hour on one side, my shoulder did not ache at the end like it has done doing these sessions in the past. Also, my back did not ache once we had finished. This could be because the loading of the paddle at the front end felt natural and less forceful"

"Hong Kong Dragon Boater

There must have been a big reason behind this new paddle. Thought it will be good for paddling long-distance, posture correction, newbie or physiotherapy. The blade is light and easy to use."

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