

FOLDING PROPELLERS



MA:TEC

The Sailboat Propeller People

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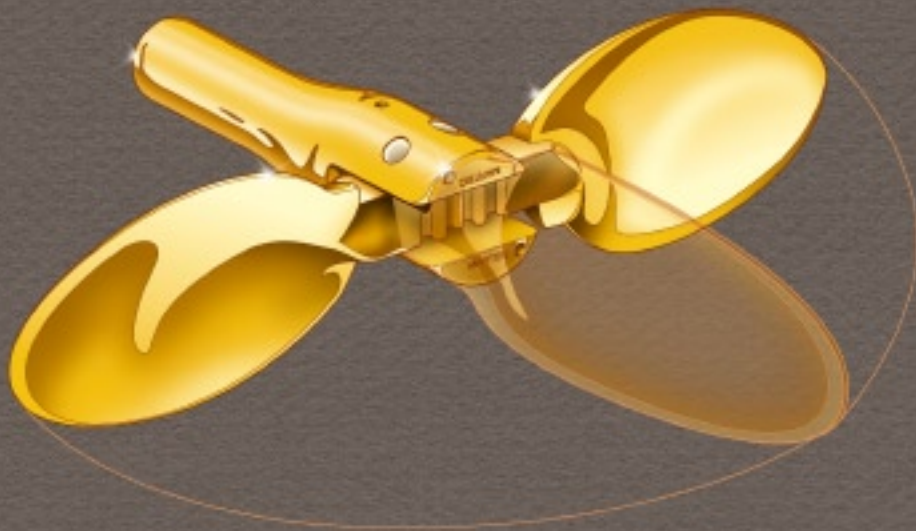
“MARTEC FOLDING PROPS ADD SIGNIFICANT S IN MODERATE WINDS, 0.5 KNOTS OVER 2-BLADE PRO

ABOUT MARTEC ENGINEERING...

Form follows function. Elegant. Sculpted. Powerful. Even more powerful performance. Our folding props deliver unparalleled performance, matching and bettering fixed two-blade props. Since 1964 we have continually refined and upgraded the Martec folding prop. We have redefined the concept of low-drag sailboat propellers, creating a family of folding, feathering and fixed blade props.

THE MK III ELIPTEC®

Our Mark III is the third generation of Martec folding props. And it's the lowest drag sailboat propeller anywhere. Thirty years of continuous development and improvement has resulted in a folding propeller with the lowest drag under sail. It's absolute simplicity insures maximum reliability. And the proof is in the use: the Mark III is the most widely sold, widely used low drag prop of the last thirtyfive years.



MARTEC MARK IV GEARTEC®

It's unique blade shape provides reverse performance comparable to a fixed, two blade prop. Originally developed for IOR racing boats, the Mark III both reduces drag and improves reverse thrust. The Mark III fulfills all its design goals... and then some. Today's Mark IIIs propel everything from day-sailers to seventy-foot maxis. The Mark III's incredible efficiency means you can stop five knots of forward speed in just one and a half boat lengths.

We've literally changed the expectations for sailboat auxiliary power and sailing performance. Today, Martecs power both maxi sleds and hardcore world cruisers. We've been around the world in the Whitbread, and we're even found on auxilliary/emergency wing engines aboard large ocean-crossing poweryachts. Anywhere at sea where performance is important... you'll find a Martec prop.

Cruisers looking to significantly shorten the time for their sailing passages and for low cost and the utter reliability of elegant simplicity pick the Mk III to carry them around the world. Experienced circumnavigators like renowned author, lecturer and cruising expert Hal Roth insist on sailing and powering with the Mark III.

SAILING SPEED OVER FIXED-BLADE PROPS. PROPS AND 0.75–1.0 KNOTS OVER 3-BLADE PROPS.”

Gary Beck, Martec Engineering

THE MARK IV GEARTEC®

We call it the Mark IV Geartec. It's truly a rugged solution for a delicate problem. From the start we designed in bigger gears and a larger pivot pin for strength and reliability. Then we carefully integrated it with the most compact hub and blade design possible to achieve the best drag reduction.

The large toothed gears (the largest of any geared folder) make the Mark IV virtually impervious to the bent and broken teeth of some older geared folders. At the same time, the larger gear teeth provide improved resistance to marine growth and fouling. The Mark IV Geartec's fourth generation blade designs are specifically configured for geared folders, providing the best combination of forward and reverse thrust we have ever achieved.

SAILDRIVE INSTALLATION

Today, on some sailboats, the saildrive has replaced the traditional engine, shaft, strut, propeller configuration. Saildrives present some unique problems for propeller design best solved with a geared prop. This is where Martec's thirty-five years of engineering know-how comes into play. Saildrives require geared folding props because their blades must be able to fold with the prop stopped at any point in its rotation. The Geartec® is a new, innovative approach

Mark III Eliptec®



Mark IV Geartec®

for saildrives, eliminating problems from earlier “pre-Martec” geared folding props. We carefully engineered a better prop... a much better prop.

RECOGNIZED INNOVATION

Martec is a finalist in Sail Magazine's year 2000 Freeman K. Pittman Award for excellence in innovation.

“THIS WILL DO MORE FOR A BOAT’S SAILING PERFORMANCE THAN ANYTHING I CAN DO TO A SUIT OF SAILS.”

—a prominent American sailmaker who much prefers to remain anonymous



GENERAL FEATURES

- Refined blade design maximizes forward and reverse thrust
- Cast in high strength marine bronze
- Monel pivot pins for improved anti-corrosion
- Monel fasteners
- Lowest drag of any available folding propeller
- Sailing speed gains of one-half to three-quarter knots over fixed two-blade & three-blade props
- Larger gear teeth for greater strength and reliability
- Saildrive version comes with rubber cushioned hub bushing
- Five year warranty backed by thirtyfive years of sales and service

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