



BENEFITS

- Improves boat speed under sail
- Maximizes cruising speed under power
- Improves backwards thrust and reduces prop walk
- Underwater installation or pulling in 5 minutes
- Underwater pitch-setting in 20 seconds
- Vibrations free thanks to synchronized blade alignment and dynamic balancing
- High-Grade Stainless Steel construction
- Smooth shifting from forward to backward preserving gear-box integrity
- Enclosed Gear Drive for fouling protection
- Interchangeable wear bushings
- Built-in extraction device



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Hi-Speed

PERFORMANCE & RELIABILITY





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Ewol propeller is supplied completely pre-assembled, pre-greased, dynamically balanced and can be easily installed underwater like a normal fixed propeller, in less than 5 minutes

EWOL has been designed and tested through 3D modeling and enduring lab testing

EWOL Prop is covered by a patent owned by EWOL Srl

Born in 1997, EWOL Propellers company always distinguished itself for the adoption of hi-tech materials and technologies applied in the design, the hydrodynamic solutions and sturdy construction of its products.

EWOL is a propeller featuring innovative technical solutions, combined with the use of hi-grade materials such as Super-Duplex Stainless Steel and Titanium. These innovations guarantee superior resistance to mechanical shocks and to galvanic corrosion, by no means comparable to the performances of common feathering, folding or solid blade propellers made of bronze alloys. EWOL is a long endurance propeller, suitable for all race and cruise sailing boats and chosen by demanding sailors who wish to appreciate elevate quality standards and superior performances.



UNDER SAIL

Thanks to its feathering position, EWOL allows your boat to reach from 0.5 to 1.5 knots more speed under sail compared to a fixed propeller.

UNDER POWER

EWOL's micrometric pitch-setting device allows to optimize the cruising speed of your boat under power, while the maximum attainable speed is the same of a well calculated fixed propeller.

IMPROVED BOAT HANDLING

Maneuverability in reverse is a major problem with folding propellers which tend to shut, creating difficulties when mooring especially in strong winds or high sea. EWOL props improve backwards thrust and strongly reduces the prop walk effect, therefore enabling much better and safer boat handling in any conditions.

PITCH SETTING

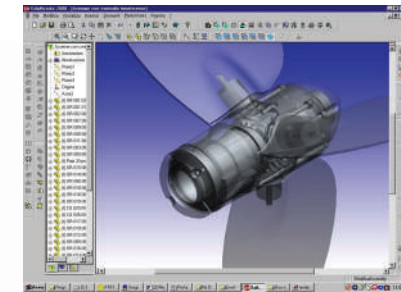
Pitch setting can be easily performed underwater in less than 20 seconds; EWOL's fine pitch setting device allows a range of blade angles from 14° to 26° in steps of 0.25°, which corresponds to engine speed increments of about 50 rpm.

BLADES ORIENTATION AND VIBRATION PREVENTION

The blades of a propeller must always get the same identical pitch in order to avoid vibrations, so EWOL props displays a central pinion gear which assures that blades gets synchronized to the same angle at any time. Some other propellers on the market, not having a central synchronization pinion, run big risks of strong vibrations in case one or more blades gets jammed by marine foulings.

ENCLOSED GEAR DRIVE

Enclosed Gear Drive assures that marine growth cannot affect smooth blades rotation from forward to backward position. Other propellers on the market display exposed gears, subject to frequent jamming due to fouling growing on the gears when the boat is not in use. For boats equipped with Sail-Drive, EWOL props incorporate an anti-shock joint called FlexDrive which is able to furthermore guarantee smooth and quiet shifts.



INSTALLATION, REMOVAL, MAINTENANCE

EWOL is supplied completely pre-assembled, pre-greased and dynamically balanced; its installation is extremely simple and can easily be done underwater in 5 minutes.

Thanks to an incorporated extractor, EWOL removal does not require any external hub puller and can also be performed in 5 minutes.

EWOL props maintenance is limited to the yearly greasing of the internal parts through its external lubricator. Prop bearings can be replaced locally in case of wear-out after many years of operation.

