

Variprop

Basic Features and Benefits of MOST Feathering Propellers
When the engine is turned off, the waterflow rotates the blades automatically into the feathered position.

benefits:

Drag is almost eliminated and speed increases 15% to 20%, depending on wind conditions. Propeller turbulence vanishes and a substantially enhanced rudder effect is achieved.

When shifting into reverse, less than one shaft rotation turns the leading edge of the blades 180 degrees.

benefits:

Efficiency (thrust) in reverse is equal to forward, 30% - 40% more than all fixed propellers. You get improved stopping power; however, this also increases "Prop Walk" (paddle wheel effect) unless reverse pitch can be adjusted independently for better control when docking.

Unique Features of VARIPROP
Independently adjustable external pitch control. Forward and reverse pitches can be changed in just seconds- even underwater

Benefits:

Custom fine tuning (in micrometer-small increments) of reverse thrust vs. prop-walk. (For most owners, eliminating prop walk is more important than maximizing reverse thrust.)

VARIPROP allows you to customize that balance for optimum control, maneuverability and safety.

Independent fine tuning of forward thrust means that VARIPROP delivers the best possible performance (speed, thrust, fuel economy) in forward without compromising reverse performance.. and vice versa

SoftStop™; Shock Absorbing Multidisc Brake (patented) built into the VARIPROP hub

Benefits:

Dramatically reduces shock loads on gearbox and drivetrain, permits shifting at higher speeds without damage, preserves preset pitches by eliminating hard limit stop impacts (the typical "clunks" of all others)

The entire drive train benefits: longer cutless bearing life, minimized wear on gearbox, clutch plate, bearings

Gears are 35% - 50% longer than competing props

Benefit:

Substantially extended service life. With proper service props can last for decades, not just for a few years.

Precision engineering

Superb German precision engineering in a custom made prop vs. mass-produced competitors

Benefits:

Every VARIPROP is built to order-consistently 100% up to stringent specs for reliable, smooth and efficient operation

Quality is assured by compliance with DIN EN ISO 9001 international manufacturing standards and approved according to the standards of the "Germanischer Lloyd".

Comes fully assembled and tested

Benefits:

VARIPROP mounts on your shaft just like a solid prop. No disassembly, no shaft modifications

Balanced by Hand

As a final step, each propeller is dynamically balanced by hand to perfection

Benefits:

Smoother, quieter running with absolutely zero vibration

- Shortest hub

VARIPROP's hub is flush with the forward edges of the blades, and barely protrudes past the aft edges

Benefits:

VARIPROP will fit into the smaller prop apertures of older traditional "full keel" yachts; not possible with most competing propellers

Line cutters; SPURS or solid types; can be mounted very close to the VARIPROP blades, the ideal position. This is a huge advantage for boats operating in areas with fields of lobster pots, crab pots and fish traps. With competing props, because of their much longer hubs, all such cutters must be mounted farther away from the prop blades, which drastically reduces their effectiveness.