

DRAG

Penguins gliding through the water are perfect examples of efficient streamline design. And whenever more thrust is needed, they just unfold their wings and take off.

Applying the same concept, the patented Volvo Penta Folding Propellers offer minimal resistance when needed, and maximum thrust when that is needed – an optimal combination of the basic qualities of a sailboat propeller.

The result is a different sailing experience – based on the line of least resistance – signed Volvo Penta.



FOR SAILORS ONLY

Volvo Penta is not only a leading supplier of engines to sailboat builders all over the world. With our comprehensive range of propellers and other accessories we help you make your sailing more comfortable, enjoyable and trouble-free. For more information about high-quality sailboat accessories, contact your nearest Volvo Penta dealer or visit us at www.volvopenta.com

KBAPTET

AUTHORIZED
VOLVO PENTA CENTER

(812) 323-89-22

www.kvartet.biz

**VOLVO
PENTA**

www.volvopenta.com



STREAMLINE YOUR SAILING



**VOLVO
PENTA**

MINIMUM

Sailboats are designed for cruising with minimum resistance.

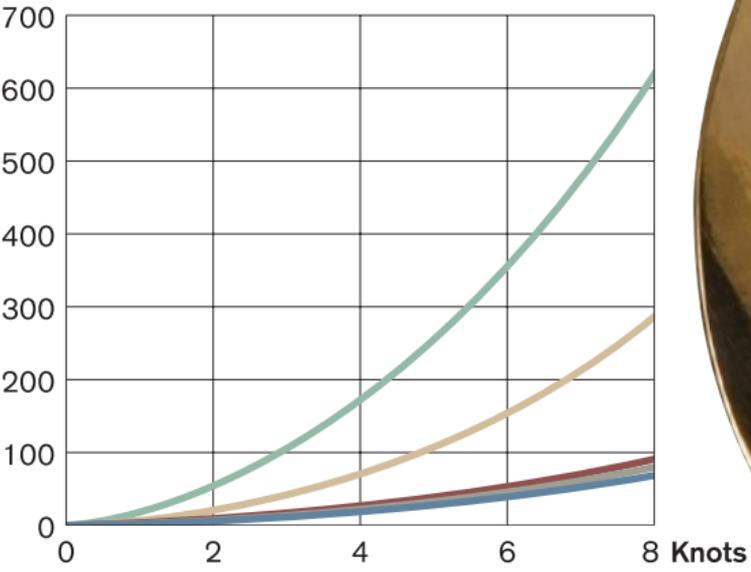
But with the necessary backup engine you can not avoid the negative impact of the propeller during sailing. In your perfectly streamlined sailboat, a fixed propeller will always reduce the speed. It will also affect the manoeuvrability – and sometimes cause disturbing noise and vibrations.

Solving these problems within the fixed propeller principle is hard. A more efficient solution for reducing the propeller impact lies in a different – and more natural – concept.





Drag (N)



- 2-blade folding
- 3-blade folding
- 4-blade folding
- 2-blade fixed
- 3-blade fixed

This graph shows how rapidly the propeller drag increases with higher speed. At 8 knots for example, a 3-blade fixed propeller produces more than six times the drag of a 3-blade folding propeller.



MAXIMUM

The fact that a Volvo Penta Folding Propeller can offer up to 1.5 knots higher speed under sail compared with a fixed propeller will add greatly to your sailing pleasure. But the Volvo Penta Folding Propellers will also meet your expectations when cruising under engine power. The high thrust offered make these propellers stand out in the competition and provide a favourable alternative for all sailors. Thanks to the blade's efficient performance also in reverse, you achieve excellent manoeuvrability in confined areas.



WHAT PROPELLER SIZE FITS YOUR ENGINE?

Our wide range of blade and hub kits for S-drives and shaft installations allows for a perfect match between engine and propeller.

5 hp 10 20 30 40 50 60



5 hp 10 20 30 40 50 60

THRUST

The unique, high skew shape of the propeller blades ensures effective, low-noise operation with minimal vibrations and no cavitation. All Volvo Penta Folding Propellers are made of a specially developed, highly corrosion resistant nickel-aluminium-bronze alloy. And since blades and hub are sold separately, you can easily put together a perfect match to meet the specific needs of your sailboat.

Contact your nearest Volvo Penta dealer for advice and more information about the safe and reliable Volvo Penta Folding Propellers.



70 80 90 100 110 120 hp



70 80 90 100 110 120 hp

THE NATURAL SELECTION



Two-blade folding propeller for 5–40 hp

The two-blade propeller gives you 20 different blade kits and 6 different hub kits to choose from.

Hub and blade are made of a nickel-aluminium-bronze alloy. The blade area is **25% (2 x 12.5)**. Available for both saildrive and shaft.



Three-blade folding propeller for 25–60 hp

With the three-blade propeller you have 28 different blade kits and 6 different hub kits to choose from.

Hub and blade are made of a nickel-aluminium-bronze alloy. The blade area is **37% (3 x 12.3)**. Available for both saildrive and shaft.



Four-blade folding propeller for 55–120 hp

The four-blade propeller provides 10 different blade kits and 7 different hub kits for you to choose from.

Hub and blade are made of a nickel-aluminium-bronze alloy. The blade area is **45% (4 x 11.25)**. Available for both saildrive and shaft.