

### Advantage under sail

The low profile when folded gives the absolute minimum drag of any like sized 3-blade folding or feathering propeller available. Independent test results confirm this as fact. The result of low drag is increased sailing speeds. The extra speed obtained can be substantial to the performance of the boat. Why sail slow!!!

When folded the propeller prevents seaweed, lobster lines, fish lines or plastic bags etc. fouling the propeller. The design also prevents the propeller from opening when sailing. This feature allows for installation to hydraulic transmissions without the additional cost of installing a shaft brake, to prevent rotation under sail. This is important to the life of the transmission.

### Performance under power

"Tests"\* by major yachting magazines, and other independent organisations have shown that the 3-blade Gori folding propeller has a much better efficiency both forward (+15%) and reverse (+15%) than other feathering propellers. This is achieved because of the camber and twist that is built into the propeller blade design. The feathering propellers have a flat blade design, which does not optimise thrust under power.

### Sail-drive

The hub of the 3-blade Sail-drive propeller incorporates a flexible bushing that absorbs shock and electrically insulates the propeller from the Sail-drive leg. This is necessary and required, by the engine manufacturers. The hub also has a security cam system, which increases the longevity and ensures manoeuvring at all times. The propeller is compatible with; Bukh, Nanni, Hydrodrive, Lombardini, Sonic, Volvo Penta, Yanmar and other brands of sail-drive units.

### Professional quality

Gori propeller has for more than 25 years been the established leader in the design and development of folding propellers. The 3-blade Gori folding propeller underlines their technological lead in this field. They are produced using only high quality materials such as Nibral and high-grade stainless steel.

Gori folding propellers have for over 25 years proved their superiority in design, quality of manufacture and continuing durability. They continue to be the choice of leading designers, major boat builders and record setting sailors around the world. Gori propellers accomplishments and reputation is well documented.

All Gori propellers are numbered individually for quality assurances and future service capabilities. All propellers are delivered completely assembled so as to assure quality of design, balance and manufacture.

### Gori propeller - Steel Team A/S

Steel Team develops, manufactures and markets the Gori propeller. The first Gori propeller was introduced to the market in 1975, over 25 years ago. Since that time the Gori propeller has amassed a record and reputation unmatched throughout the world of propellers. Gori offers a full range of folding propellers for the marine field and custom propellers for industrial and commercial projects all over the world.

Gori propeller - Steel Team has the very latest CAD/CAM development and production equipment at its disposal. Close co-operation and continued cooperation with designers, boat builders, marine technical institutes and laboratories guarantees the highest quality of design and manufacture for the Gori propellers.

Gori propeller - Steel Team is also a leader in the design and machining of Hi-tech components for commercial and industrial use.

In November 2002 Gori propeller - Steel Team A/S was awarded overall "Ernst & Young Entrepreneur of The Year 2002" in Denmark.

Gori propeller are protected by the following patents:

Australia, patent	# 696931
Denmark, patent	# 0735967
France, patent	# 0735967
Germany, patent	# 0735967
Great Britain, patent	# 0735967
Italy, patent	# 0735967
USA, patent	# 6152693



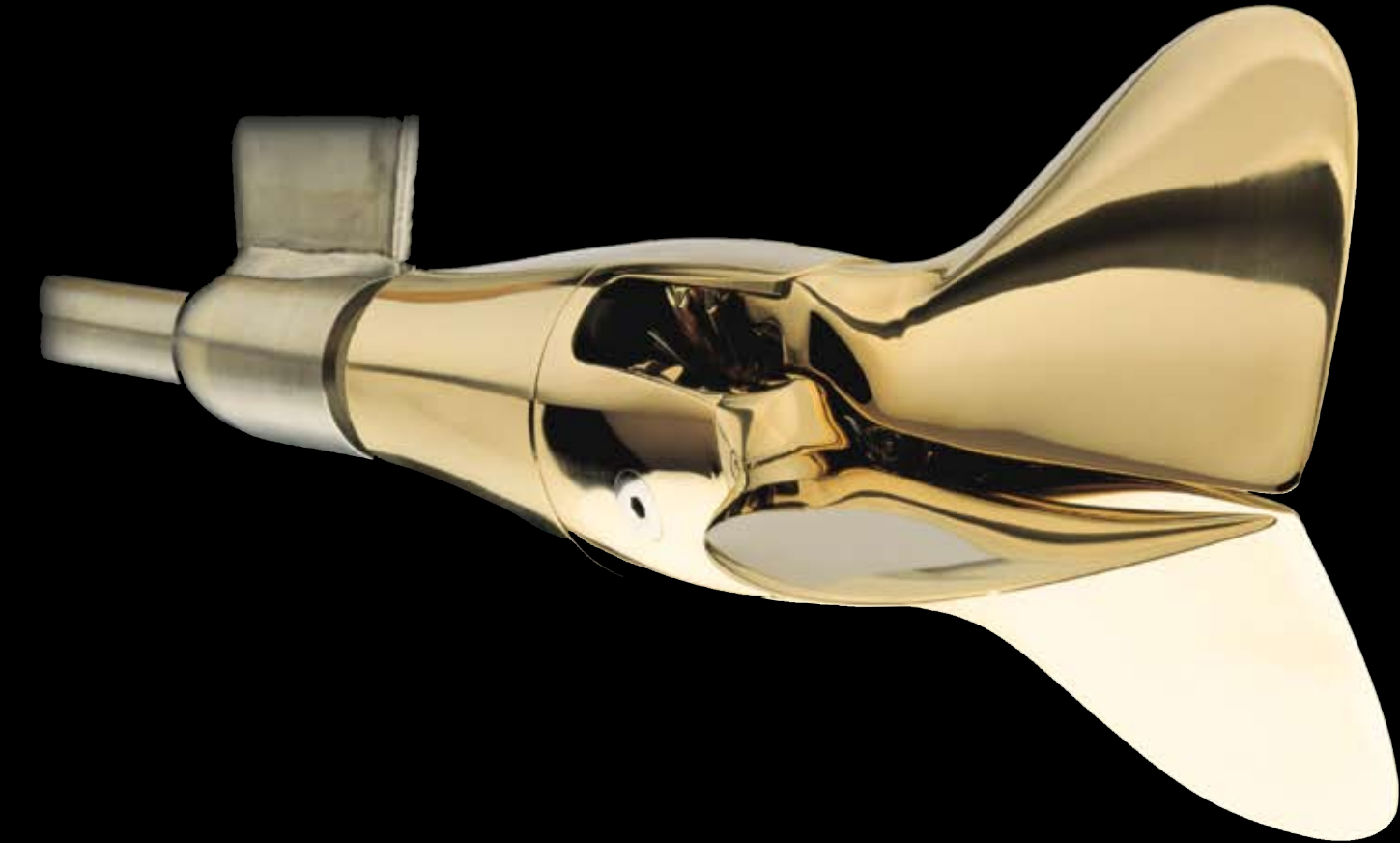
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# Gori<sup>®</sup> propeller



UK 10/05 Gori propeller - Steel Team reserves the right to alter, modify or replace any specification or design feature without prior notice.

#### Under sail



#### Ahead



#### Astern



#### Ahead "Overdrive"



\*Test in Yacht 5/97

The 3-blade Gori folding propeller above is right-hand.

[www.gori-propeller.dk](http://www.gori-propeller.dk)

The folding propeller for sailboats

## 3-blade folding propeller

The 3-blade Gori folding propeller was introduced on the market in 1994 and won the DAME award and HISWA award the same year; as the best new marine product of 1994.

The introduction of this folding propeller marked a technological and performance leap forward in the development of folding propellers for sailboats. It is now possible for every sailboat and motorsailer to have the folding propeller's speed advantages under sail, with the thrust similar to that of a fixed propeller when motoring.

The blades of the Gori 3-blade propeller are designed with both camber and twist to them, which gives excellent thrust in forward. In reverse the unique blade action allows for precisely the same camber and twist as in forward, giving increased power and manoeuvrability over most all other types of propellers.

### “Overdrive” function

The propeller's “overdrive” function adds a new dimension to sailing under power. The helmsman can choose the propeller pitch and profile in the water while sailing forward, by regulating the yacht's shift and throttle control, without the use of hydraulics or complicated mechanical devices.

The “overdrive” may be used when motoring in fair weather, or when using the engine under sail (motorsailing).

The “overdrive” function, by increasing the blade pitch angle, gives the same boatspeed at lower Rpm's. The result is less engine noise, less vibration and increased fuel economy.

The function is simple. The change from normal ahead to “overdrive” is done by setting the engine's controls into reverse; till the boat is reversing. While the boat is reversing the controls are then set in ahead again. The change from “overdrive” back to normal ahead is done by setting the controls into neutral, allowing the propeller to fold. Then the engine control is set in ahead again.

The “overdrive” function and the reversing of the blades for manoeuvring set this propeller apart from all of the others

### Available for engines from 10HP to more than 300HP (7 kW - 221 kW)

Folding propellers have previously been reserved for small and medium size sailboats with moderate engine power. Now available for engines to more than 300HP. Even larger yachts and motorsailers can take advantage of the features and benefits of the Gori 3-blade propeller. The design of the Gori propeller results in minimum noise and vibration, which is often a problem for the flat bladed designed feathering propellers.

The Gori propeller is available in diameters from 15” to more than 30”, for standard shaft installations and from 15” to 20” for Sail-drive installations.

## 2-blade folding propeller

The first design was produced more than 25 years ago. Since that time the design has been modified to take advantage of modern manufacturing techniques and advanced testing capabilities.

The 2-blade Gori folding propeller is for sailboats with engines up to 60HP (44 kW). They are available in 7 diameters from 11.5” to 18”, for both shaft and Sail-drive installations. They are available either LH or RH rotation.

### Geared blades

The geared blade design ensures that both blades open and close together, giving less vibration ahead and astern. This gives the correct pitch setting and performance when motoring. Under sail the blades close simultaneously reducing drag to the minimum always.

### Why not an extra knot?

Under sail, a fixed propeller slows a sailboat much more than most people may imagine. Independent tests have shown in certain instances that the 2-blade Gori folding propeller reduces the yacht's total drag by 35%. This resulted in one full knot of increased boat speed under sail. Boat speed increases may vary depending upon your boat's length and displacement.

Our folding propeller does not snag seaweed, lobster lines or plastic bags when sailing. Feathering propeller will.

### Full reverse power

Independent test results show that the efficiency of the 2-blade Gori propeller in reverse, is equal to or better than most all other 2 or 3-bladed fixed, feathering and folding propellers.

The Gori propeller gives you the optimum thrust in reverse because of its advanced blade design, shape and profile. It does not rely solely on the centrifugal force to open the blades to their optimum position.

### Full power ahead

As with the reverse performance independent testing confirms that the efficiency of the 2-blade Gori propeller in forward is better than most 2- and 3- blade feathering and folding propellers available today. The advanced blade design is the essence of this success.

### Sail-drive

The hub of the Sail-drive propeller incorporates a flexible bushing that absorbs shock and electrically insulates the propeller from the Sail-drive leg. This is necessary and required, by the engine manufacturers. The hub also has a security cam system, which increases the longevity and ensures manoeuvring at all times. The propeller is compatible with; Bukh, Nanni, Hydrodrive, Lombardini, Sonic, Volvo Penta incl. the old 50 S-Drive and 100 S-drive, Yanmar and other brands of sail-drive units.

## Racing folding propeller

The Gori racing propeller is the ultimate propeller for professional racing sailboats.

It continues to be the choice of skippers, leading designers and custom boat builders from around the world. The reputation of the Gori racing propeller is well known and fully documented. It is the world's fastest propeller.

The winners of the following races have chosen it:

Admiral's Cup  
Copa del Rey  
Newport-Bermuda Race  
Route du Rhum  
Sydney-Hobart  
Transpac  
Vendée Globe  
Whitbread Round the World Race

and too many other race series to mention here.

The racing folding propellers is offered to racing yachtsmen all-over the world in diameters from 375mm to 750mm, for shaft installations, Sail-drives and Hydrodrives. The pitch is 70% of the diameter. The combination of diameter and pitch allows the Gori racing propeller to be installed on engines up to 150 HP / 110 kW. It is available either RH or LH rotation.

### Full speed under sail

The design and shape of the propeller gives absolutely minimum drag when folded. They close together like a clam. The geared blade design ensures that under sail the blades close simultaneously eliminating the need for elastic bands.

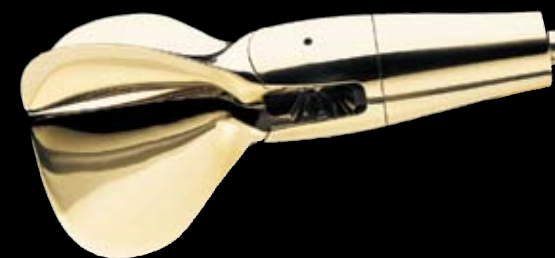
Each racing series Gori folding propeller is tank tested before shipment. This guarantees a safer, more reliable opening of the fully closed blade, compared with other racing folding propellers. No maybe open maybe not, flip-flop action here.

The folding propeller will not snag seaweed, lobster lines, plastic bags or other underwater debris when sailing. This can't be said about a feathering propeller.

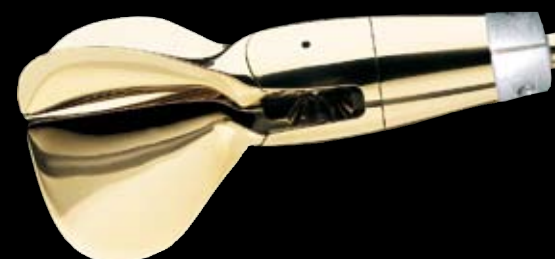
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### Shaft installation



### Shaft installation ring zinc anode



### Sail-drive



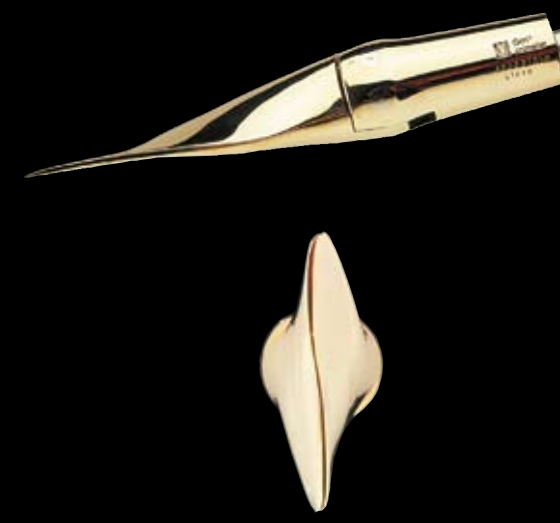
### Shaft installation



### Sail-drive



### Shaft Installation



### Sail-drive and Hydrodrive

