



**Gori®
propeller**

Gori 2-Blade Folding Propeller:

Suitable for sailing vessels fitted with engines up to around 50BHP engines.

The geared blade design ensures that both blades open and close together. This gives less vibration in ahead and astern. Under sail, the blades close simultaneously removing the need for banding the blades together or worrying about one falling open causing an increase in drag.

The 2-blade propeller is available in diameters from 11.5" ~ 18" for shaft and saildrive installations. They are made for both LH and RH rotation installations.

The 2-blade folding propeller has an excellent pedigree. Winning the "ID PRIZE" Industrial Design Prize from The Danish Design Centre in November 1976. Since then this proven design has undergone several design improvements. It has been chosen by thousands of sailors around the world.

The results of different independent tests show conclusively the advantages in choosing a Gori 2-blade folding propeller for your installation.

- Ahead: Gori efficiency better than most 2 ~ 3 blade feathering and folding propellers
- Astern Gori has an efficiency equal to or better than most 2 ~ blade fixed, feathering & folding propellers.
- Sailing Extremely low drag, lowest of all 2-blade propellers

A folding propeller as compared to a feathering propeller does not snag seaweed, lobster-lines or plastic bags etc when sailing.

Why not an extra knot?

Tests have shown that the Gori propeller can reduce a yacht's total drag by 35%. This can result in 1 x Knot improvement in speed under sail.

- Standard equipment on the new J/boats and many others.

Gori 2-Blade Installation Instructions ~ Standard Shaft

Parts List:

- (1) Hub 1 x ea
- (2) Blades 2 x ea
- (3) Pins 2 x ea
- (4) Shaft nut 1 x ea
- (5) Allen screws 1 x ea
- (6,7) Allen Screws 4 x ea

- A) Take the propeller apart. Remove the two(#6&7) allen screws per blade pin. Push blade pin(#3) out - note blades, pins and hub are numbered for re-assembly. There are two(2) allen screws per blade pin.
- B) Check that the hub fits the shaft taper without interference from the key.
- C) Check the nut on the shaft thread.
- D) Mount the hub on the shaft with key in place and tighten/torque (see below torque settings) the nut (#4) to the shaft. Use 7/8th socket ... 22mm.
- E) Install the allen screw (#5) into the hub to lock the shaft nut. Do this by first smearing the threads with the enclosed Loctite-243. Tighten the screw in place using the allen key supplied.
- F) Grease the moving parts of the blades-gears- with water resistant grease. Mount the blades (#2) and the pins (#3) to the hub. Be sure that you mount them in accordance to their numbers. ie #1 and #2 positions.
- G) Install allen screws (#6,7) into aft end of hub using Loctite -242, on the threads. Total four(4) - two(2) per blade pin. The second screw is a locking screw. Be sure tighten both in place.
- H) Check that the blades move freely from open to close.

Maintenance

The basic maintenance is "keep it clean" using either a scotchbrite, wire brush or wheel. If the boat is hauled, after cleaning, put a very lite smear of a lithium based waterproof grease on the blade/hub contact surfaces & gear teeth to stop oxidization.

Warning:

- Do not start the engine while the boat is out of the water
- The prop may have sharp edges... be careful not to cut yourself
- Make sure the blades do not open or close suddenly and trap your fingers
- Stop the engine before diving or swimming in the vicinity of the boat
- Propeller blades can cause considerable damage when rotating ... be careful.
- Do not remove fish nets, rope or similar from the prop with the engine running.
- Check that the prop works in both fwd and reverse before each trip.
- If any strange sounds or vibrations are noticed coming from the propeller stop the engine and investigate the reasons/solve the problem.

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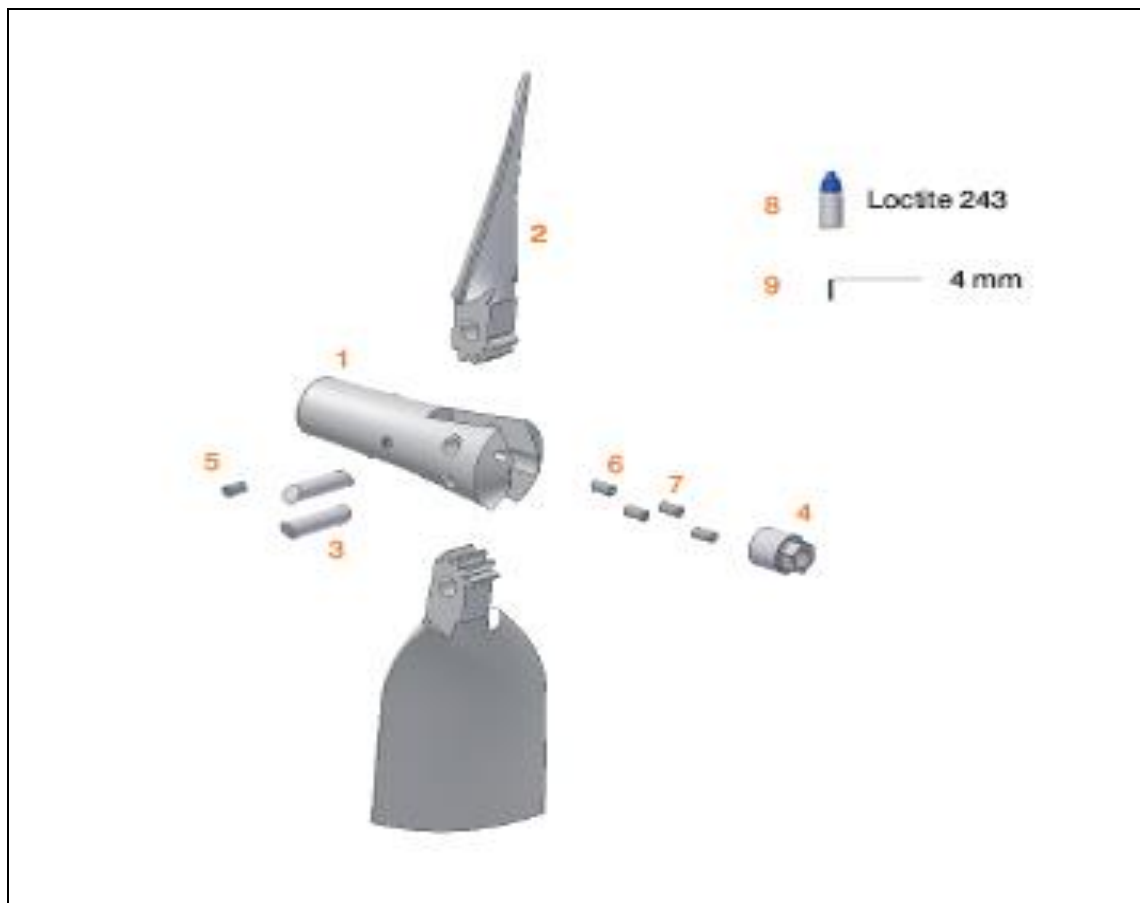
Tel: 401-847-7960 ▪ Fax: 401-849-0631

Email: Sales@AB-Marine.com ▪ Website: www.AB-Marine.com

Torque settings for shaft nuts:

40Nm 30ft/lb	or	60Nm or 45ft/lb	70N/m or 50 ft/lb	100Nm or 75ft/lb	125Nm or 75ft/lb
M14 X 2.0		M16 X 2.0	M16 x 1.5	M20 x 2.0	M20 X 2.5
M14 X 1.5		5/8" BSW	5/8" BSF		3/4 BSW
1/2" UNC		5/8" UNC	5/8" UNC		3/4" UNC
1/2" BSF					

135Nm or 100ft/lb	160Nm or 115ft/lb	225Nm or 165ft/lb
M20x1.5	7/8" UNC	M24 x 2.0
3/4" BSF		1" BSF
3/4" UNC		1" UNF



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- (3) Pins 2 x ea
- (4) Shaft nut 1 x ea

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(5) Allen screws 1 x ea
(6,7) Allen Screws 4 x ea

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