

## Flexofold Limited Warranty:

### 1. Liability for defects:

1.1. Upon delivery the buyer shall immediately perform proper checks of the goods supplied before such goods are put to use and shall not later claim defects which the Buyer should have discovered during such a check.

1.2. The Seller shall not be liable for operating loss, loss of profit or other financial loss incurred by the Buyer or third party as a result of defects in the goods supplied.

1.3. The Seller shall, pursuant to the provisions of the Clauses below, by repair or replacement, remedy any defects in the goods resulting from faulty design, materials or workmanship.

1.4 The Seller's liability is limited to defects which appear within a period of 3 years from the date of delivery of the goods. If the goods are used more intensively than agreed or could be foreseen at the point of sale, this period shall be reduced proportionally.

1.5 The Buyer shall notify the Seller in writing of a defect without delay after the defect has become apparent, and in no case later than two weeks after the expiry of the period defined in Clause 1.4. The notice shall contain a description of how the defect manifests itself.

Notice of a defect shall be given immediately if there is reason to believe that the defect may cause damage.

If the Buyer fail to notify the Seller of a defect in writing within the time limit set, he shall forfeit his right to make any claim in respect to the defect.

1.6 On receipt of the written notice according to Clause 1.5, the Seller shall remedy the defect without undue delay and at his own cost. Remedy of the defect shall take place at the Buyer's premises unless the Seller finds it appropriate to have the defective part or the goods returned to him for repair or replacement at his own premises.

The Buyer shall assume the cost of transportation of goods to the Sellers premises. All other costs in connection with repair or replacement shall be at the Seller's risk and expense.

1.7 If the defects may be considered substantial, the Buyer may instead choose to terminate the purchase by written notice to the Seller.

1.8 The Seller is only liable for defects which appear under the conditions of operation provided for and under proper use of the goods. The liability does not cover defects which are caused by faulty maintenance or incorrect installation from the Buyers side. Finally the liability does not cover normal wear and tear or deterioration from corrosional and other attacks.

### 2. Liability for Damage to Property caused by the Goods (Product liability):

The Seller shall solely be liable for defects in accordance with mandatory provisions.

The Buyer shall indemnify and hold the Seller harmless to the extent that the Seller incurs liability towards any third party in respect of any damage for which the Seller is not liable towards the Buyer according to paragraph a. and b. below.

The Seller shall not be liable for loss or damage caused by the goods:

- To any (movable or immovable) property where the damage occurs while the goods are in the Buyer's possession
- To products manufactured by the Buyer or to products of which the Buyers products form a part or loss or damage to any property, where the damage is caused by these products because of properties in the goods.

The seller shall under no circumstances be liable for loss of production, loss of profit or any other consequential economic loss.

The above limitations in the Seller's liability shall not apply where the Seller has been guilty of gross negligence.

If a claim for loss or damage as described in this Clause is raised by a third party against either party, the latter shall forthwith notify the other party thereof.

The Seller and the Buyer shall be mutually obliged to let themselves be summoned to the court or arbitral tribunal which examines claims against either of them, where the claim is based on damage alleged to have been caused by the goods. The liability as between the Seller and the Buyer shall, however, always be settled by the arbitration in accordance with Clause 3.

### 3. Disputes. Applicable Law:

Each and every dispute between the parties shall not be brought before the court, but shall be finally settled by arbitration in accordance with the law on arbitration applicable in Denmark.

Flexofold ApS  
Dianavej 4  
7100 Vejle, Denmark  
T: (+45) 7555 4346  
E-mail: sales@flexofold.com

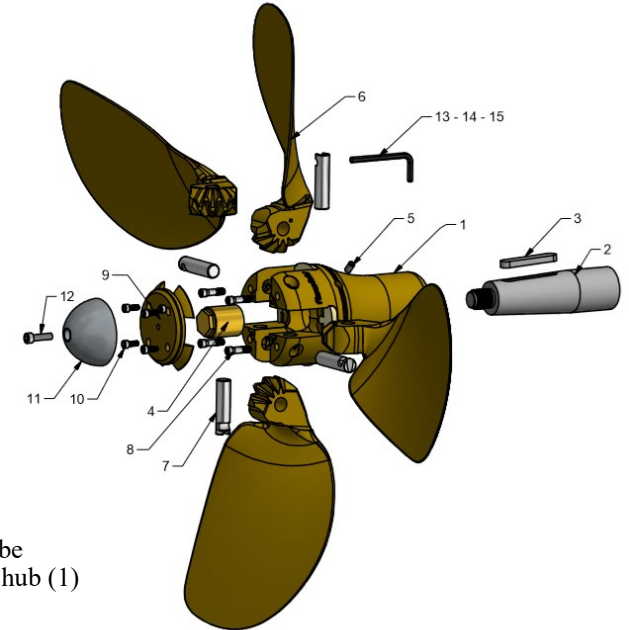
www.flexofold.com



Installation and operating instructions for 4-blade shaft propeller. Owner must read and follow these instructions.  
NOTE: Failure to follow these instructions will void warranty.

#### Parts list:

1. Hub
2. Shaft (not supplied)
3. Wedge (not supplied)
4. Shaft nut
5. Shaft nut locking screw  
M8x16 A4
6. Blade (4 ea.)
7. Pivot pin (4 ea.)
8. Tapered Pivot pin locking  
screw (4 ea. M8x25mm)
9. Cover plate
10. Cover plate screw  
(4 ea. M6x16mm)
11. Anode Zn or Al
12. Anode screw (M8x20mm)
13. Allen key 4mm
14. Allen key 5mm
15. Allen key 6mm



The cone on the shaft (2) must be degreased before mounting the hub (1)

#### Threadlocker:

There is an underwater proof threadlocker pre-applied on all screws in the installation, except from the Shaft Nut Locking Screw (5), that does not need this. These screws can be installed out of or under the water. Normal fluidic threadlocker is not designed to be applied or cure under water and attempts to apply it under water will ultimately fail. Nor can regular threadlocker be applied to the thread in air and allowed to cure before the screw is mounted under water. There will be no adhesion.

If removing the propeller underwater for any reason, do not reuse the screws when mounting again under the water. Please contact Flexofold for replacement screws that have the pre-applied threadlocker.

When reusing the screws out of the water, make sure to apply a medium strength version of threadlocker, for instance Loctite® 243 Blue Medium Strength Threadlocker (blue).

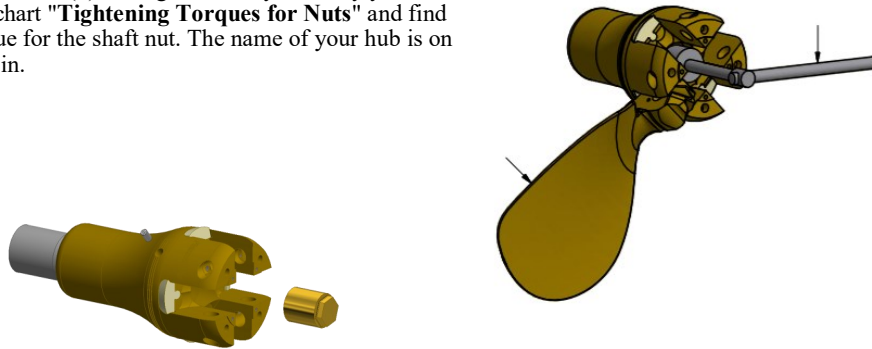
**Never use threadlocker on the shaft nut (4).** It will be difficult to dismount again.

#### Operating and handling instructions:

- Shift gears at idling RPM's only.
- Check that the propeller functions in both forward and reverse before each voyage.
- When sailing, propeller must be stopped for the blades to fold. Stop engine and put transmission in reverse.
- Stop engine immediately if any strange sounds or vibrations are noticed coming from propeller.
- Do not operate propeller when close to people or animals.
- When handling assembled propeller, avoid being pinched by opening or closing blades.
- The only maintenance required is to keep propeller clean.
- No need to oil or grease, the parts are water lubricated as soon as in the water.

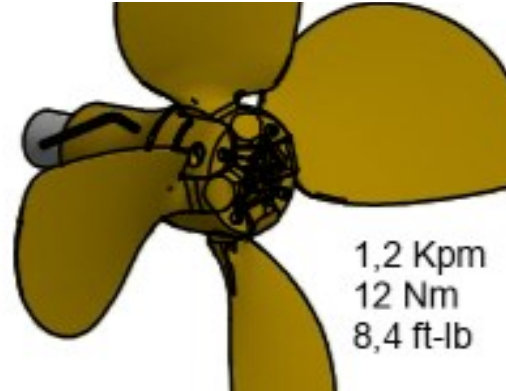
**1** Remove the wedge (3) from the shaft (2). Slide the hub onto the shaft (2) and check to make sure it fits correctly and the hub does not rock. The fit must be in order without gaps between the parts. Mark on the shaft (2) where the bottom of the hub reaches. Remove the hub again, put the wedge (3) back into the cone of the shaft (2). Degrease the cone of the shaft and the cone in the hub thoroughly. Slide the hub (1) gently over the cone of the shaft (2). Make sure the wedge stays in place and does not pinch the hub. There must be air between the top of the wedge and the bottom of the wedge track/keyway in the hub. When mounted, the hub should reach the mark you placed on the shaft. If the hub does not reach the mark on the shaft, remove the hub. The height or width of the wedge can be reduced with an ordinary hand file, until the hub reaches the mark on the shaft.

**Don't** use any threadlocker on shaft nut (4).  
Screw on the shaft nut (4) and tighten firmly; Identify your hub in the attached chart "**Tightening Torques for Nuts**" and find the correct torque for the shaft nut. The name of your hub is on the box it came in.



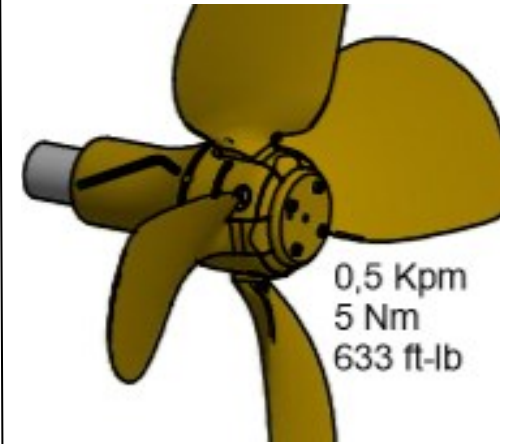
**2** When tightening the shaft nut use an unmounted blade to keep the shaft from turning;

**5** Continue with the next 3 blades; Work blades open and folded to ensure ease of operation. Tighten all pivot pin locking screws (8) using the allen keys supplied.  
If using a torque wrench, it must be set to a torque of 12 Nm.

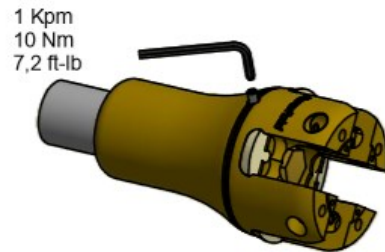


**6** Mount cover plate (9) with the 4 cover plate screws (10) using the allen key supplied; If using a torque wrench tighten with 5 Nm.

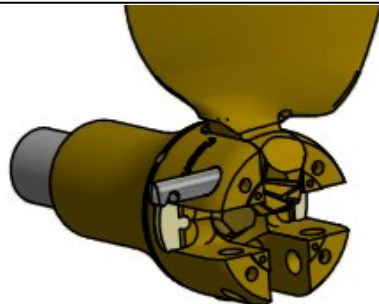
Move blades to check the opening and folding function.



**3** Mount the shaft nut locking screw (5) using the supplied allen key. If using a torque wrench tighten with 1 Kpm=10 Nm=7.2 ft-lb;



**4** Align blade (6) with the blade socket in the hub and insert pivot pin (7) with the notch in pin aligned with the hole for the tapered pivot pin locking screw (8). Move blade slightly to ease operation. Correct if necessary using a screwdriver or similar tool. Install the tapered pivot pin locking screw (8) without tightening just yet.



Check the opening and folding function, before moving on to the next step.

**7** Mount sacrificial anode (11) Zn or Al, with the anode screw (12) pre-applied with threadlocker.

Finally, check the opening and folding function to ensure it still works.

**NOTE:** If the anode screw has already been used, you have to apply new threadlocker on the screw to reuse it. For instance if you've demounted the propeller or when replacing the anode with a new one for maintenance, you have to apply threadlocker on the screw.

