

FIXED PITCH CARBON PROPELLERS



- x **Hi-Tech Carbon Propellers** for UAV Drones
- x The **world's lightest propellers**
- x Very strong: **100% in carbon braid**
- x **Made in France** since 2008
- x E-PROPS production: **75,000 blades / year**
- x Propellers sold in **84 countries**
- x **ASTM F2506-13** certified

- x For all gear-drive engines or electric motors, from **8 to 50 kW**
- x **Thousands of models**: 2-blade, 3-blade, 4-blade & 6-blade
- x Diameters : from **45 to 63 inch** (each 2 inch) = **115 cm to 160 cm** (each 5 cm)
- x Models each **0,5° pitch** and in **both rotation senses** (CW & CCW)

- x **Max RPM: about 3.000** (RPM measured at propeller = max engine RPM / reduction ratio)
- x Dynamic gap: up to **20 mm** (the blade can move towards the engine at max power)
- x Max tracking: **12 mm**

- x **Traceability**: unique Serial Number (6 numbers) on each blade
- x Assembly & Tightening with a tightening plate (plate of same diameter as the hub)

Torque of the screws:

Screws Ø	6 mm	8 mm
Torque	8 N.m	16 N.m

- x **Maintenance**: check screws tightening every 25 flight hours or every 3 months. Clean the propeller after each flight.

E-Props : high performance due to profiles optimization, using evolutionary algorithm (metaheuristics) & use of top materials (High-Strength Carbon)



E-PROPS: Light is Right