



EN - This instruction is available online in English on the following link:
ES - Esta instrucción está disponible en línea en español en el siguiente enlace:
DE - Diese Sicherheitshinweise finden Sie im Internet auf Deutsch unter folgendem Link:

FR - Cette instruction est disponible en ligne en français sur le lien suivant:
IT - La presente istruzione è disponibile online in lingua italiana al seguente link:
http://www.masterairscrew.com/safety_instructions

EN **WARNING! A rotating propeller may cause serious property damage, bodily injury and/or even death in case of improper use and/or insufficient safety precautions.** Exercise utmost care when handling and operating the propeller. Follow the instructions below, the instructions and manuals of the manufacturer of the engine/motor and gearbox (if applicable), driving the propeller, as well as the instructions and manuals of the aircraft and any electronics, controlling the operation of the propulsion system and/or aircraft.

LIABILITY DISCLAIMER - USE THE PROPELLER AT YOUR OWN RISK. Do not use the propeller unless you agree to be fully responsible for any damage or injury incurred or caused during its operation. Windsor Propeller LLC and its affiliates assume NO liability for direct and/or consequential damages, including personal injury, loss or property damage caused by the propeller or its application.

IMPORTANT! The propeller is intended to be used in model aircrafts for personal and recreational purposes only. The propeller is not a toy and is not suitable for people under 16 years old. In order to operate a model aircraft, appropriate liability insurance is required. In general, model aircraft are not covered by standard liability insurance. Strict following of all federal, state and local requirements should be ensured by the owner and/or pilot of the aircraft; pilot's license may be required.

WEAR HAND AND EYE PROTECTION WHEN HANDLING AND OPERATING

INSTRUCTIONS AND WARNING SHEET:

- 1 Always select correct propeller size, following engine/motor/gearbox manufacturer's recommendations.
- 2 **Before each take off:**
 - a. Carefully inspect the propeller for any damage, including but not limited to scratching, cracking, warping, discoloration, peeled-off parts, nips, protruding parts, etc. **DO NOT USE A DAMAGED PROPELLER.** Even a damage appearing as superficial may mean the structural integrity of the propeller has been compromised. Do not use a propeller, which has been installed on an aircraft sustained a crash (or uncontrolled emergency landing)
 - b. Check that the propeller is securely connected to the shaft of the engine/motor/gearbox, in a way ensuring it cannot disconnect during flight or testing.
 - c. Re-check the balance of the propeller.
 - d. Test the propulsion system on the ground before take off for at least 10 seconds.

- 3 **A structurally damaged propeller may break.** The debris' most probable trajectory will be in the plane of rotation of the propeller. Make sure there are no people, animals and/or property that can be damaged in that plane, during taxi, take off and landing.
- 4 **DO NOT ATTEMPT to repair, alter or in any way modify a propeller.**
- 5 **Always stand behind the propeller.** Never stand or allow anyone else to stand in front of, or to the side of the operating propeller.
- 6 Always maintain a safe distance from people, animals and objects, however in under no circumstances fewer than 30 feet from the propeller - for propellers up to 15" in diameter, and 50 feet for larger. Never fly towards viewers and avoid flying over spectators.
- 7 **UNDER NO CIRCUMSTANCES** start the engine by hand! To stop engine or motor, cut off the fuel supply or power, in accordance with manufacturer's instructions. **DO NOT** Stop the propeller with your hand or other objects.
- 8 **DO NOT PERMIT** any objects to touch a turning propeller! Remain clear of the propeller arc (path of rotation).
- 9 Maximum recommended RPM for Master Airscrew plastic propellers is 165,000 divided by diameter in inches
- 10 When designing the mechanical part of the aircraft, keep in mind a rotating propeller can deflect under heavy aerodynamic load. Allow enough clearance from the propeller to other mechanical parts of the aircraft. Spinner cones must not touch the propeller.
- 11 Storing the propeller – while not in use, store the propeller in dark, dry space under room temperature. Make sure the propeller lies on a flat surface or is attached/hung to/on a holder only at its hub center opening. No objects should touch the blades of the propeller.

Polymers age with time, under stress, heat and exposure to ultraviolet light. This propeller is designed to be used with model aircraft for personal recreational purposes only. Use for no more than 500 flight hours. Use a detailed flight log, logging each flight with the respective propeller flight duration, engine/motor type and/or serial number (if available), aircraft model and serial number. Log each emergency landing and/or crash event. **Use each propeller within 3 years of the purchase date and discard thereafter.**