Propellers

War Drive's Advanced Composite Carbon Fiber propellers have a structural strength near that of metal propellers. Because of the stiffness achieved by using carbon fibers, the prop will do very little coning (bending forward) under power. Propeller placement allows the prop to flex torsionally for maximum cruise efficiency. The strongly fixed position of the blades along with optimum torsional performance translates into more thrust than conventional propellers.

The interior structure of this new propeller is all carbon fiber - no fiberglass, no foam, no filler - an all carbon fiber matrix combined with top quality hybrid epoxies. Carbon fiber is one of the strongest building materials available. When properly engineered, carbon fiber can achieve the strength and stiffness of a metal part, as demonstrated by its wide range of industrial and aerospace uses.

War Drive Propeller Blade Types

All propellers and blade types are available with Stainless Steel Leading Edge protection as an option at additional cost.

1. STANDARD ADVANCED COMPOSITE CARBON FIBER BLADES

The Standard Carbon Fiber Blades can be used on Rotax, Arrow, VW, and similar engines.

2. HIGH HORSE POWER ADVANCED COMPOSITE CARBON FIBER BLADES

The Carbon Fiber HP Blades will be required for use on Lycoming, Continental and some auto conversion engines.

War Drive Hubs

War Drive offers two types of hubs of our propellers. First is our Standard Hub. This is an assembly of anodized aluminum plates and composite clamping blocks. It accommodates standard and custom hub bolt patterns of up to 3 1/8". The second type of hub is the HP Hub. This hub consists of two halves machined from solid aluminum. It is the same weight as the standard hub assembly and can accommodate Rotax, Arrow, VW, SAE I Continental, SAE II Lycoming and custom bolt patterns.

Quick Adjust System Ivoprops

The Quick Adjust System Ivoprops allow you to adjust propeller pitch on the ground in a matter of seconds by turning the screw adjuster in the center of the prop. Specify aircraft and engine make and model, and propeller diameter. * Magnum ivoprop (5.5" cord, 58" to 76" diameter) is a high-horsepower version for engines up to 700 HP.

In-flight Adjustable Pitch Ivoprops

The In-flight Adjustable Pitch Ivoprop allows the pilot to change the propeller pitch in flight through a toggle switch mounted in the cockpit. Mounts directly to any Rotax gear box (B or C) and can be adapted to VW, Subaru, Hirth, Arrow and smaller Lycoming and Continental engines. Older model Ivoprops with adjustable pitch can be converted to the In Flight System with the Retrofit Kit. In flight adjustable hub comes assembled with complete instructions. Weight of 3 blade 72" Prop including all required parts (furnished) is 9 lbs. Specify aircraft and engine make and model, and propeller diameter (48" to 76").

Magnum Ivoprops are for engines up to 700 HP (56"-76" prop. dia.).

Magnum-2-Blade Ivoprop Kit

P/N 05-33290 $2,451.00

Magnum-3-Blade Ivoprop Kit

P/N 05-33280 $2,755.00

Magnum-6-Blade Ivoprop Kit

P/N 05-33290 $3,849.00

Magnum Retrofit Kit for Ground Adjustable Ivoprops

P/N 05-33295 $1,590.00

Ivoprop Replacement Blades

Note: Proproot Number required prior to order. (This number can be found at the base of the original prop blade).

High Pitch Right Hand

P/N 15-06638 $221.95

High Pitch Left Hand

P/N 15-05477 $140.95

Low Pitch Right Hand

P/N 15-06637 $245.95

Standard Pitch Left Hand

P/N 15-05478 $169.50

Stainless Steel Leading Edge Tape

P/N 05-00601 $17.95

Note: Specify aircraft propeller and engine make and model.

Stainless Steel Leading Edge Tape Propellers

P/N 15-06059 $7.95

Retrofit Kit for Ultralight Ivoprops

To upgrade Ultralight model 2 or 3 blade Quick ground adjust to Electric in flight adjust.

P/N 15-06637 $934.00

Constant Speed Electronic Governor

• Converts In-Flight Adjustable Ivoprop into the constant speed propeller • Plugs into existing wiring harness • Size: 2" x 4" x 1"

P/N 05-06061 $347.00

Ultra-Prop

Select 2, 3, or 4 blade props. Each blade is moulded from a high strength glass-reinforced composite. High efficiency airfoil design means high thrust from a 59" diameter prop. One set of pitch blocks included. Additional blocks available in 1" increments. Uniform hubs made from high strength composite. Accommodates most popular bolt-mounting patterns. Each prop comes complete with assembly and mounting hardware and complete instructions. Black blades and hub are beautifully complimented by high impact polyester spinner. Blades can be trimmed to length, allowing custom prop diameters as small as 48".

Uri-Prop Spinners

· Kit includes white polyester spinner, mounting bracket, and all extra hardware for installation. Specify QuickSilver MX belt drive with 1/4 inch mounting hardware or Rotax gear drive with 5/16 or 8 mm mounting hardware. Note: Designed for use on prop only.

1/4" X .156 CW P/N 05-04958 $59.95

5/16" Rotax P/N 05-04959 $59.95

Accessories

Prices Subject to Change Without Notice

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