

# PROPELLERS

## POWERFIN COMPOSITE PROPELLERS



Powerfin is the only composite propeller manufacturer in the U.S. to offer a true Clark-Y airfoil which optimizes surface airfoil for thrust. Powerfin also allows for infinite pitch range with any increment. The pitch alignment tool supplied with every Powerfin takes the guesswork out of pitching your prop. Simply set the stop screw, clamp the tool to the hub, and turn the blade to the stop. The process takes less than 10 minutes for a 3 bladed prop. Powerfin features include superior aerodynamics, noise reducing tips, superior composite construction,

very strong low profile hub, durable finish, 2 and 3 blade configurations, fits Rotax 75MM bolt pattern, adapters for every bolt pattern, 32" to 72" diameter, leading edge protection, speed set hub and a two year factory warranty against defects. Weight is 6.5 lbs. for 2 bladed Powerfin and 9.0 lbs. for 3 bladed Powerfin. Complete brochure available on request.

General use propeller although specifically designed to run **MODEL B** significantly smaller diameters than most other props. The B-Model runs very well on a 582/2.58 as a three blade 60" for example, and can out produce our competition even when running much smaller diameters. Maximum possible diameter with this model is 65".



Designed specifically for powered parachutes as a three blade 64" on a Rotax 582/2.58, this design works well on Rotax 447's through Rotax 618 as well as the Hirth engines that fall between 40 and 80 horsepower. This is the propeller being sold as standard equipment on 6 of the top 7 ppc's. Maximum possible diameter with this model is 69".



This is our smallest propeller - designed for **MODEL E** engines between 15 and 30 horsepower. These narrow blades allow for a maximum possible diameter of 53". Backpack ppc's are the target of this design although the blade has been proven very efficient on many older, fixed wing airplanes with diameter restrictions. This is the ONLY pitch adjustable prop available to backpack units.



This is our largest propeller - designed for larger two-stroke engines that use the higher gear reduction ratios and horsepower up to 115. This prop runs beautifully on a Rotax 503/3.47 as a three blade 66"-70". A two place Kolb can't squeeze any more efficiency out of a 503/3.47 than with our F-model 68" prop. This prop is also the finest prop available for the Rotax 912, 912S, and 914 engines. Maximum possible diameter with this model is 75".



To calculate the cost of a full propeller assembly, take the price for a single blade times the number of blades you need. Then add the cost of the hub you need.

**For example:** A three blade C-model propeller assembly will include three C-model blades (\$420) and a standard three blade Apex hub (\$195). The total is \$620. All hub assemblies\* include mounting hardware, optional lock-nuts for Rotax engines, and a 1/4" dowel pin used for setting the pitch.

The cost of each type of blade is the same regardless of the diameter.

### BLADES

Blade Model	Single Blade Cost
B-Model	
C-Model	
E-Model	
F-Model	

\*All propeller and hub assemblies include mounting hardware for the Rotax A, B, C, or E box or the Hirth gearbox.

### HUB ASSEMBLIES\*

Hub Type	For Blade Models	Cost
Special Two Blade Apex	E-Model Blades Only	
Special Three Blade Apex	E-Model Blades Only	
Standard Two Blade Apex	B, C, & F Model Blades	
Standard Three Blade Apex	B, C, & F Model Blades	
Standard Four Blade Apex	B, C, & F Model Blades	
Standard Five Blade Apex	B, C, & F Model Blades	
Rotax 912 Three Blade Apex	B, C, & F Model Blades	
Rotax 912 Four Blade Apex	B, C, & F Model Blades	
Rotax 912 Five Blade Apex	B, C, & F Model Blades	

Shipping a two or three blade propeller assembly is \$20.00. These prices are for all U.S. customers excluding Alaska and Hawaii. Most international orders will ship U.P.S. International - Expedited Service. If you wish a quote on an international order, please supply an address with a postal code so we can quote shipping prices.



## PROPS INC. PROPELLERS FOR HOMEBUILTS

Ground Adjustable Propellers by Props Inc. For those who have changes in mind or like the looks of a three blade prop. It has wood blades similar to the Homebuilt line, but with an aluminum hub. Key Benefits: Wide Adjustable Range • Replaceable Blades • Custom Designed

Description	Diameters	Price
VW, Jabiru, Suburu	46" - 58" dia.	
Three Blade	Up to 90" dia.	
Four Blade	Up to 90" dia.	

Homebuilt Props by Props Inc. Homebuilt props come with urethane leading edge protection and fiberglassed wrapped tips. Key Benefits: Durable, yet can save tear down cost in the event of a ground strike. • Specifically designed for the use. • Can be modified for fine tuning.

Description	Diameters	Price
VW, Jabiru, Suburu	46" - 58" dia.	
Gyrocopter, Airboats Mac, VW, Suburu	48" - 56" dia.	
C-90, O-200, O-235 O-320, O-290, O-360	58" - 60" dia. 60" - 72" dia.	

Specify aircraft type, prop diameter, pitch, bolt pattern, pusher or tractor configuration, and mahogany or birch when ordering any homebuilt propeller. Allow 2-3 weeks for shipment of our custom propellers. Add \$30.00 for 3-blade and \$50.00 for 3 and 4 blade props-packing and shipping. Maple may be substituted for Birch according to availability.

## ULTRALIGHT PROPELLERS BY PROPS INC.



These high quality ultralight propellers are available in both birch and mahogany. The birch props are as split-resistant as mahogany but mahogany props with glass coating are 1/3 lighter than the birch. Mahogany props come with a glass coating - it is optional on birch props. Add \$35.00 for leading edge protection on birch or mahogany props. Propeller reconditioning available on all ultralight props.

Specify prop dia., pitch, bolt pattern, aircraft and engine type, birch or mahogany, and pusher or tractor configuration.

Allow 2-3 weeks for delivery. Prop drilling included in price. Additional \$18.00 for packing and shipping.

Diameter (Specify)	Pitch (Specify)	Price for Plain Prop
36 thru 40	Any (to 36")	
41 thru 48	Any (to 46")	
49 thru 54	Any (to 46")	
55 thru 60	Any (to 46")	
61 thru 66	Any (to 46")	
67 thru 72	Any (to 46")	

Request quotation on prop pitch over 46"

## DYNAVIBE PROP BALANCER



DynaVibe is an economical, state-of-the-art dynamic propeller balancer designed specifically for the aircraft industry. DynaVibe displays the magnitude and phase of propeller vibration allowing precise weight adjustments for balanced and smooth engine operation. \* Economical - including: • Dynamic Balancer • Accelerometer with 30 ft cable • Optical Pickup and Reflective Tape (Tach) • Carrying Case • No hidden costs or additional items to buy! \* Accurate - Reports RPM, Vibration Magnitude \* Results - Reduce vibration for a smoother flight, and decrease mechanical wear of engine and instruments

DynaVibe Aircraft Prop Balancer .....P/N 05-04532 .....  
DynaVibe Aircraft Prop Balancer with NISTP/N 05-04533 .....  
DynaVibe Rotocraft Prop Balancer .....P/N 05-04534 .....  
DynaVibe Rotocraft Prop Balancer with NIST.P/N 05-04535 .....

## BUZZ MASTER PROP BALANCER



This extremely simple and sensitive tool uses the plum-bob and bevel principle to balance props both vertically and horizontally. It can be carried in a small tool box for easy use in the field and balances props accurately for smooth operation. The precision machined hub works with any prop designed with standard 1" center hole. Illustrated instructions included. P/N 13-17400 .....