

# 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 **MODEL B** to run 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.

The cost of each type of blade is the same regardless of the diameter. 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 locknuts for Rotax engines, and a 1/4" dowel pin used for setting the pitch.

### BLADES

Blade Model	Part No.	Single Blade Price
B-Model	05-06962	\$209.00
C-Model	05-06963	\$199.00
E-Model	05-06964	\$189.00
F-Model	05-06965	\$249.00

\*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	Part No.	Price
Special Three Blade Apex	E	05-06973	\$289.95
Standard Two Blade Apex	B, C, & F	05-06966	\$299.00
Standard Three Blade Apex	B, C, & F	05-06967	\$319.00
Standard Four Blade Apex	B, C, & F	05-06968	\$345.00
Standard Five Blade Apex	B, C, & F	05-06969	\$369.00
Rotax 912 Three Blade Apex	B, C, & F	05-06970	\$355.00
Rotax 912 Four Blade Apex	B, C, & F	05-06971	\$369.00
Rotax 912 Five Blade Apex	B, C, & F	05-06972	\$398.00

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

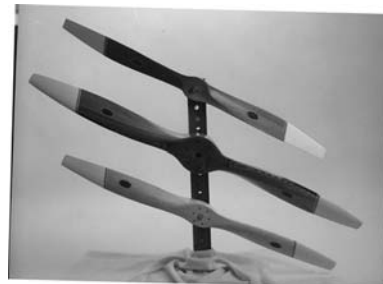
Description	Diameters	Price
VW, Jabiru, Suburu	46" - 58" dia.	\$1200.00
Three Blade	Up to 90" dia.	\$1500.00
Four Blade	Up to 90" dia.	\$1750.00

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.	\$435.00
Gyrocopter, Airboats Mac, VW, Suburu	48" - 56" dia.	\$435.00
C-90, O-200, O-235 O-320, O-290, O-360	58" - 60" dia. 60" - 72" dia.	\$1148.00

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")	Call for Quote
41 thru 48	Any (to 46")	Call for Quote
49 thru 54	Any (to 46")	Call for Quote
55 thru 60	Any (to 46")	Call for Quote
61 thru 66	Any (to 46")	Call for Quote
67 thru 72	Any (to 46")	Call for Quote

Request quotation on prop pitch over 46"

AP