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Sensenich Propeller Co.

Composite Aircraft Propeller for Rotax 912 & 914 and Jabiru 2200 & 3300 Engines

FAQ's (Frequently Asked Questions)

Q) What type of construction is used?

A) We use an internal pressure molded system to produce a hollow, one piece blade. This process yields very repeatable blades with maximum strength, durability, and low weight.

Q) How light is the propeller?

A) Each blade weighs less than 3-1/4 pounds. A major portion of this weight is in towards the hub area where more fiber is needed. The hollow construction keeps the weight down, which minimizes propeller inertia and improves aircraft performance.

Q) Is a hollow propeller really safe?

A) Yes! With the preimpregnated fabric the proper epoxy resin content is maintained throughout the entire structure, ensuring the fabric and resin strength is consistent. Also the propeller blade is manufactured as a one piece unit, not two halves glued together.

Q) What's so different about this propeller?

A) 1. ***Tuff-Spar*** construction 2. ***EZ-Pitch*** hub
3. ***Nickel Leading Edge Protection***

The propeller has *Tuff-Spar* construction with integral carbon fiber spars incorporated in the blade airfoil for maximum strength and stiffness, *EZ-Pitch* hubs to take the sting out of pitch adjustment, and the co-cured nickel leading edge provides superior rain and float operation protection.

EZ-Pitch Hub

Q) How many blades and what size props are available?

A) Several blade sizes are available, depending on the engine model and aircraft considerations. The Rotax 912 & 914 series has 64" and 70" tractor blades and 68" pusher blades, while the Jabiru 4 and 6 cylinder engines have 62" and 64" tractor blades, respectively. A three blade 72" tractor propeller is in testing for 160-200 HP Subaru engines with reduction drives.

Q) What kind of testing has been done on this propeller?

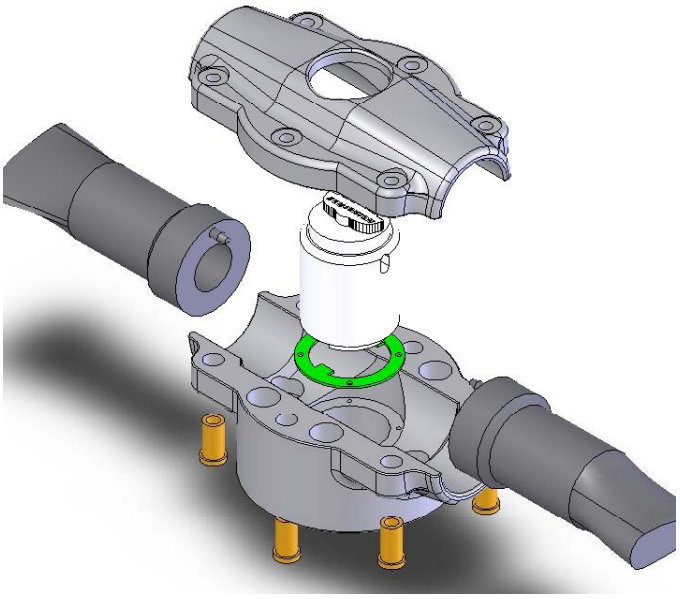
A) This propeller is the result of 5 years of composite research and development in the airboat market. A pre-production propeller was put through a rigorous in-flight vibration survey with strain gages, using the same procedures as FAA type certified propellers.

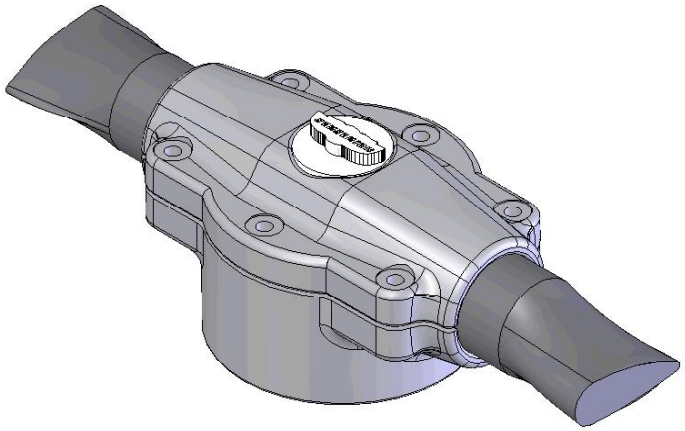
Q) What makes this propeller quiet?

A) The swept leading edge of the blade delays the shock wave that forms at the tip at high rpm's. This provides more efficiency while also reducing the overall noise signature of the propeller.

Q) If it's hollow, what if I damage the tip of the propeller?

A) Our new composite propeller differs from any other prop on the market as it utilizes hollow construction with a ***solid integrated tip***. The last 3" of each blade is made solid to allow a 2" blade length reduction due to damage at the tip. This can be accomplished in the field in an emergency if something goes through your propeller. The blades can then be sent back to the factory for proper balance, if needed.





SENSENICH GROUND ADJUSTABLE COMPOSITE AIRCRAFT PROPELLER

Propeller Model	Blade Type	Available Spinner Size	Engine	Propeller Rating	Max. Propeller Diameter	Min. Propeller Diameter	Description	Price
2A1R5R64DN	hi-speed tractor	12” Diameter	Rotax 912, 912S, 914	115 HP @ 5800 RPM	64”	60”	2 Blade, nickel leading edge protection	$1,525
2A0R5R64EN	hi-speed tractor	9-11” Diameter	Rotax 912, 912S, 914	115 HP @ 5800 RPM	64”	60”	2 Blade, nickel leading edge protection	$1,525
2A0R5L68EN	low/medium speed pusher	9-11” Diameter	Rotax 912, 912S, 914	115 HP @ 5800 RPM	68”	64”	2 Blade, nickel leading edge protection	$1,525
2A1R5R70DN	low/medium speed tractor	12” Diameter	Rotax 912, 912S, 914	115 HP @ 5800 RPM	70”	66”	2 Blade, nickel leading edge protection	$1,525
2A0R5R70EN	low/medium speed tractor	9-11” Diameter	Rotax 912, 912S, 914	115 HP @ 5800 RPM	70”	66”	2 Blade, nickel leading edge protection	$1,525
2A0J5R62HN	low/medium speed tractor	9-11” Diameter	Jabiru 2200	85 HP Continuous @ 3300 RPM	62”	58”	2 Blade, nickel leading edge protection	$1,525
2A0J5R64ZN	low/medium speed tractor	9-12” Diameter	Jabiru 3300	107 HP Continuous @ 2750 RPM 120 HP Intermittent @ 3300 RPM	64”	60”	2 Blade, nickel leading edge protection	$1,525