



## The MT Composite Advantage

### Reduced Weight

MT Natural Composite Propellers are significantly lighter than aluminum propeller systems. This is a weight savings where it is most important, on the end of your engine crankshaft.

### Reduced Polar Moment

It takes power to swing mass. Less mass to swing with MT Props means that power can be used to produce thrust.

### Reduced vibration

Aluminum supports harmonic vibration. Composite does not. (Have you ever seen a wooden tuning fork?) Other parts of your plane (gyros, motor mounts, radios, heat muffs, cowlings) will last longer with reduced vibration. Because of this natural immunity to harmonic vibration, MT props do not require RPM range limitations. Set the power and RPM to your needs without the worry and trouble of 'restricted range RPM zones'. The molecules that make up all metal components 'line up' and create stress risers with vibration, flex and impact. Natural composite, by it's nature, is immune to this property meaning no life limits with an MT Prop.

### Greater Strength

These are the same blades and hub that are used in our Unlimited Aerobatic Propeller Series. We also use very tough Nickel-Cobalt instead of soft aluminum for the leading edge guard which means zero water erosion and superior durability.

### Life Unlimited

Metal props have absolute dimension limits. Every time you have a nick filed out and the prop dressed, you get closer to that limit. At some point it will exceed the use tolerances and must be scrapped. In addition, each time a metal prop is dressed, you will change the optimized performance dimensions established by the manufacturer. MT Propellers, when overhauled, are brought back to exact factory new dimensions.

### Steel Hub Inserts

MT Propeller hubs use a hardened stainless steel bearing insert that is replaceable. Standard hubs wear against the machined aluminum and must be completely replaced when worn outside of tolerance.

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**Flight-Resource**  
A Division of **McFarlane**

World's Largest MT Composite  
Propeller Distributor!



### **Noise Reduction**

3 blade conversions result in smaller diameter compared to 2-blade installations. Shorter blades run quieter than long blades due to the lower tip speeds. Another advantage of lower tip speeds is the maintenance of smooth airflow across the blades. This results in more lift/thrust. We also use a rounded tip that is quieter than a square tip blade.

### **Save on Operating Costs**

Our 182 test platform ran 2300 rpm x 23" MP @ 130KTAS @ 12.5 GPH with the standard 2-blade metal prop. With the MT Composite we ran 2100 rpm x 24" MP @ 130 KTAS at 11.5 GPH.

### **Less Drag**

A smaller prop arc disk has less drag than larger diameter prop arc discs resulting in increased speed.

### **Get "props"**

Your plane will not only look faster and more modern with the sleek MT Prop hanging on the front, it will also improve safety, performance, maneuverability, and control.

### **More Ground Clearance**

A smaller diameter 3-blade to replace a 2-blade installation will provide less chance of prop damage from objects picked up from the ground.

### **Many Service Centers**

MT has a worldwide network of prop shops that have trained and been approved to service MT Propellers.

### **Prop Strike...Oh No!**

Lab tests and field experience has shown less damage with MT Composite props. Usually, the tips were sheared off (rebuild-able) and the engine was not subjected to sudden stoppage. This will save you (and your insurance company) time and money. Blades are easily repairable and your engine is undamaged.

### **Adds Resale Value**

Like fine artwork or air conditioning in a car, you get to enjoy the benefits while it is yours, then get back what you paid for it in the future

### **Easy Installation**

Simply bolt it on using the existing prop governor.

### **Full Warranty**

1 year or 1,000 hours (which ever occurs first) for any manufacturing defects.

***What are you waiting for? Order yours TODAY!!***

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