GT®
PROPELLERS since 1969

GT3G-SAE2-37-RTWS-178. MMP

GT3G - MMP

(Multi-Mission-Propeller)



The GT3G Multi Mission Propeller is an innovative high performance three blade ground adjustable propeller. optimized for maximum efficiency on TOURING and AEROBATIC. It's also a great propeller for STOL aircraft. It can be used with engines ranging in power from 160 to 280 HP.

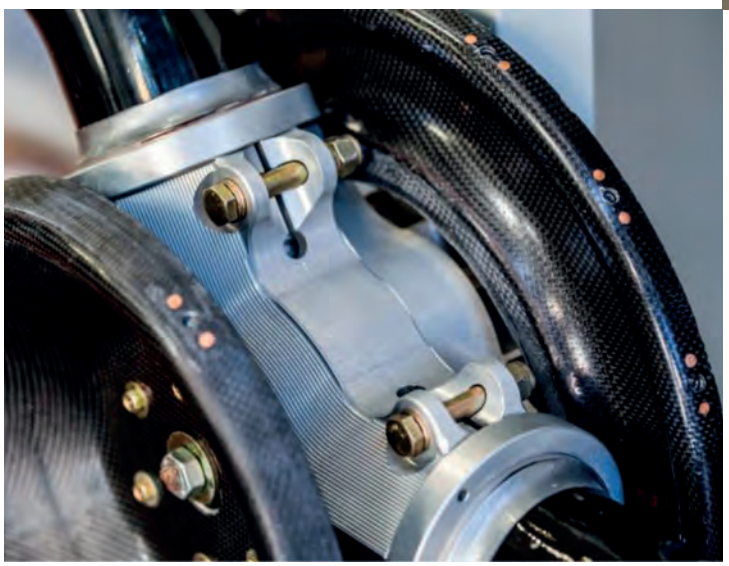
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Propeller Designation

GT3G-SAE2-37-RTWS-178.MPP

GT	Manufacturer
3	Number of Blades
G	Ground Adjustable Hub
SAE2	Propeller Flange Type
37	Blade Designation
R	Right Sense of Rotation
T	Tractor
W	Wooden Blades
S	Stainless Steel Leading Edge
178	Diameter in Metric Scale
MMP	Multi Mission Propeller



The Hub

- The modern and robust monolithic hub is machined from forged or milled aluminium. The hub is available with SAE Type 2 flange and $^{7}/_{16}$ $^{1}/_{2}$" bolts. ??????????
- The standard hub hardware is in inches but metric hardware can be provided on request as well.
- The weight of the hub is 9 pounds (4 kg). The entire hub is anodized.
- The hub secures the high tolerance aluminium blade roots. The blade roots are designed to allow easy pitch adjustments to match your required operations. The blade pitch adjustment process is easy and fast. Similarly, blade removal process is very straightforward.
- The hub can accommodate different GT blades models in various sizes and in both directions of rotation and configuration.

The Blades

- The low inertia blades are built in a natural composite technology, using highly compressed epoxy impregnated wood in the root area and lightweight wood for the rest of the blade.
- Fibreglass/carbon mix are laminated with epoxy over the external surfaces of the blades for extra protection of the wooden core against moisture and erosion as well as to increase the torsional strength.
- A bonded stainless steel or Nickel erosion sheath protects the leading edge.
- The blade ferrule is attached to the blade root with a special glue, then threaded and pinned.
- The safety factor of the blade root is IMPRESSIVE! The sample G 37 scimitar blade @ 3000 RPM produce a CF load of 6,000 pounds (3,000 kg). The various tests performed on the root showed an average resistance of 92,000 pounds (42,000 kg), i.e. 7 times stronger!!!.
  Please note that CAA requirement for the blade root resistance is double the max engine RPM only!
- The blade weight for the 180/220 HP engine range is 6 pounds (2.8 kg).
- Different blade models and diameters can be attached to the hub.
- The blade is painted with polyurethane acrylic paint. Standard finishes are white, grey or black. Custom colours are also possible on order.

The Spinner

- All the spinner assemblies are made in composite/carbon with a standard diameter of 13" inches (330 mm).
- The spinner includes cone, rear backplate and front disk.
- All spinner components are easily detached.
- A 13" diameter spinner with all the components typically weighs around 5 pounds (2 kg).
- The spinners are dynamic balanced at the factory.
- Custom spinners can be manufactured on requests.

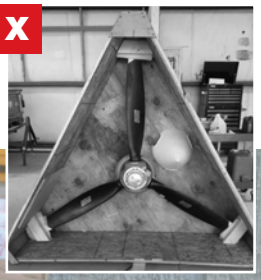


Prop Ready To Fly

- The typical weight of the propeller ready to fly is 19 pounds (13.2 kg). This figure is very close to the weight of a stock metal fixed-pitch propeller but with much less moment of inertia.
- The max RPM allowed is 3000.
- The propeller is smooth at any RPM thanks to advanced aerofoils and blade twist.











Advantages of the GT3G-MMP Propeller

1 Robust monolithic hub with unlimited life and no maintenance costs.

2 Easy to install and bolt on. It's a one-man job.

3 Easy blades installation and accurate pitch adjustments to meet your specific mission.

4 The adjustment operation of each blade only takes few minutes.

5 Infinite pitch combination to select from.

6 Great vibration dampening.

7 Easy blade replacement in case of damage.

8 Reduced crankshaft load in the event of a prop strike saving added cost of engine overhaul!

9 Many blades from the GT production can be matched to the hub.

10 The same propeller can be used on a wide range of engines starting from 160 HP to 250 HP or more.

11 It adds great value to the aircraft.

12 Has great resell value. Even if the new buyer requires a different installation, for example a pusher configuration, it can be achieved by just buying different blades.

13 If a blade is accidentally damaged, it is not necessary to replace the whole propeller but just the damaged blade.

14 The dismantled propeller can be shipped into a small box, which lowers freight costs.

15 ...and this results in safer transportation when compared to any of the three blade fixed pitch propellers available on the market.



Based on all the above information there is only one propeller you can buy to make your aircraft more than special ...

the GT Propeller GT3G-MMP!

GT® PROPELLERS since 1969

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