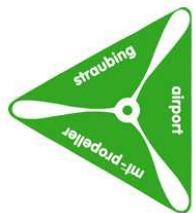


mt-propeller



**Type of Aircraft:** Mooney M20K  
**FAA STC #:** SA09565AC  
**EASA/LBA STC #:** SA1248  
**Aircraft TCDS #:** 2A3  
**Propeller TCDS #:** P25NE

Applicable Aircraft  
Mooney M20K

Engine  
Teledyne Continental Motors  
TSIO-360-LB, -GB1, -GB4, -MB1, -MB2, -SB1



### **STC Kit Contents**

One 3-Blade Constant Speed Propeller  
One Full Composite Spinner (AFRP)  
One Airplane Flight Manual Supplement  
One Installation Instruction  
One Operation and Installation Manual

MTV-12-D/188-53  
P-205-B  
Doc. No. E-758E and E-209E  
Doc. No. E-757E  
ATA 61-01-24 (E-124)

### **Propeller Specifications**

Full Propeller Designation  
Propeller Hub

MTV-12-D/188-53  
MTV-12-D  
Milled single-piece aluminum hub  
188-53

Blade  
Blade Design

Scimitar, light-weight natural  
composite

Installed Propeller & Spinner Weight  
Maximum Diameter  
Minimum Diameter  
TBO

47 lbs  
74 in.  
72 in.  
2000 hrs / 72 month (whichever  
occurs first)

### **Options**

HiGlo® Full Composite Spinner (AFRP) with chrome finish

### **Replaces**

All McCauley propellers according aircraft TCDS No. 2A3

### **Advantages**

- Best vibration damping characteristics for almost vibration free propeller operations
- Bonded on stainless steel leading edge for best erosion protection of the blades
- Shorter take-off distance by approx. -5 % (SL, ISA conditions)
- Enhanced climb by approx. 5 to 10% (SL, ISA conditions)
- Enhanced cruise performance by approx. 2 kts (MTOW, ISA conditions)
- Approx. 11 lbs less weight than the original propellers
- Unlimited blade life
- Significant inside and outside noise reductions

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