



# mt-propeller



**Type of Aircraft:** Piper PA-46-310P  
**FAA STC #:** i.P.  
**EASA STC** 10034434  
**Aircraft TCDS #:** EASA.IM.A.077  
**Propeller TCDS:**  
**FAA** P3BO  
**EASA** EASA P.017



Applicable Aircraft:  
Piper PA-46-310P

Engine  
Teledyne Continental Motor :  
TSIO-520-BE, TSIO-550-C

### STC Kit Contents

One 4-Blade Constant Speed Propeller  
 One Full Composite Spinner (AFRP)  
 One Airplane Flight Manual Supplement

One Installation Instruction  
 One Operation and Installation Manual

### Propeller Specifications

Full Propeller Designation  
 Propeller Hub

Blade  
 Blade Design  
 Installed Propeller & Spinner & De-Ice:  
 Installed Propeller & Spinner w/o De-Ice:  
 Maximum Diameter  
 Minimum Diameter  
 TBO

MTV-14-D/195-30b  
 P-477-B  
 E-1968 (with max. Engine Speed 2600 rpm)  
 E-1968-1 (with max. Engine Speed 2500 rpm)  
 E-1969  
 ATA 61-01-24 (E-124)

MTV-14-D/195-30b  
 MTV-14-D  
 Milled single-piece aluminum hub  
 195-30b  
 Light-weight natural composite  
 61.0 lbs (27,7 kg)  
 59.3 lbs (26,9 kg)  
 76.8 in (195 cm)  
 74.8 in (190 cm)  
 2400 hrs / 72 month  
 (whichever occurs first)

### Options

HiGlo® Full Composite Spinner (AFRP)

### Replaces

MTV-14-D/195-30a  
 2- or 3-Blade Hartzell Propeller

### Advantages

- ✓ Best vibration damping characteristics for almost vibration free propeller operations
- ✓ Bonded on nickel alloy for best erosion protection of the blades
- ✓ Shorter take-off distance by approx. -5 % (SL, ISA conditions)
- ✓ Enhanced climb and cruise performance by approx. 5 to 10% (SL, ISA conditions)
- ✓ Enhanced cruise performance by 5 to 8 kts (MTOW, ISA conditions)
- ✓ Unlimited blade life
- ✓ Significant inside and outside noise reductions
- ✓ With "max. Engine Speed 2500 rpm" the airplane complies with "Erhöhter Schallschutz" for Germany.
- ✓ Unbeatable esthetic ramp appeal!

MT-Propeller Entwicklung GmbH  
 Flugplatzstr. 1  
 94348 Atting / Germany

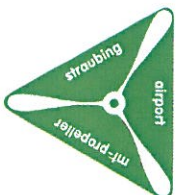
Phone: +49 (0) 9429 9409 0  
 Fax: +49 (0) 9429 8432  
 sales@mt-propeller.com

MT-Propeller USA, Inc.  
 1180 Airport Terminal Drive  
 DeLand, Florida 32724

Phone: (386) 736-7762  
 Fax: (386) 736-7696  
 info@mt-propellerusa.com



# mt-propeller



**Type of Aircraft:** Piper  
**PA-46-350P**  
**PA-46R-350T**  
**i.P.**  
**FAA STC #:** 10034435  
**EASA STC**  
**Aircraft TCDS #:** EASA.IM.A.077  
**Propeller TCDS:**  
**FAA** P3BO  
**EASA** EASA P.017

Applicable Aircraft  
 Piper PA-46-350P, PA-46R-350T

Engine  
 Lycoming TIO-540-AE2

### STC Kit Contents

One 4-Blade Constant Speed Propeller  
 One Full Composite Spinner (AFRP)  
 One Airplane Flight Manual Supplement

One Installation Instruction  
 One Operation and Installation Manual

### Propeller Specifications

Full Propeller Designation  
 Propeller Hub

Blade

Blade Design

Installed Propeller & Spinner Weight & De-Ice: 61.5 lbs (27,9 kg)

Installed Propeller & Spinner Weight w/o De-Ice: 59.9 lbs (27.2 kg)

Maximum Diameter 76.8 inch ( 195 cm)

Minimum Diameter 74.8 inch (190 cm)

TBO 2400 hrs / 72 month

MTV-14-B/195-30b

P-449-A

E-2029 (with max. Engine Speed 2500 rpm)

E-2029-1 (with max. Engine Speed 2400 rpm)

E-2031

ATA 61-01-24 (E-124)

MTV-14-B/195-30b

MTV-14-B

Milled single-piece aluminum hub  
 195-30b

Light-weight natural composite

61.5 lbs (27,9 kg)

59.9 lbs (27.2 kg)

76.8 inch ( 195 cm)

74.8 inch (190 cm)

2400 hrs / 72 month

(whichever occurs first)

### Options

HiGlo® Full Composite Spinner (AFRP)

### Replaces

MTV-14-B/195-30a

2- or 3-blade Hartzell

### Advantages

- ✓ Best vibration damping characteristics for almost vibration free propeller operations
- ✓ Bonded on nickel alloy for best erosion protection of the blades
- ✓ Shorter take-off distance by approx. -5 % (SL, ISA conditions)
- ✓ Enhanced climb and cruise performance by approx. 5 to 10% (SL, ISA conditions)
- ✓ Enhanced cruise performance by 5 to 8 kts (MTOW, ISA conditions)
- ✓ Unlimited blade life
- ✓ Significant inside and outside noise reductions
- ✓ With "max. Engine Speed 2400 rpm" the airplane complies with "Erhöhter Schallschutz"
- ✓ for Germany
- ✓ Unbeatable esthetic ramp appeal!



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