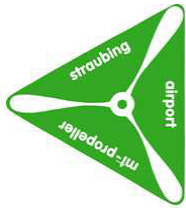# Flight-Resource, LLC

World's Largest Volume MT Propeller Distributor

www.Flight-Resource.com

1-866-717-1117

Type of Aircraft: Cessna 180 & 182

Applicable Aircraft:

Cessna Models: C180 (_-_ - K)

C182 (A – R)

Engine:

Continental O-470 (K, L, R, S, U)

> **** STC recently amended to include planes with modified or larger engines such as the -520 or -550**

FAA STC # : SA02294CH

STC Kit Contents

One 2 or 3-Blade Constant Speed Propeller	MTV-(15 or 9)-D/210-58
One Full Composite Spinner	P-271-1-C (C180) or P-271-2-C (C182)
One Airplane Flight Manual Supplement	Doc. No. ES1027-180 (182)
One Installation Instruction	Doc. No. ES1027-5
One Instruction for Continued Airworthiness	Doc. No. ES1027-9
One Operation and Installation Manual	ATA 61-01-24 (E-124)

Propeller Specifications

Full Propeller Designation	MTV-(15 or 9)-D/210-58
Propeller Hub	ARP-502 'D' Flange
	Hub milled from single-piece aluminum billet
Blades	-58 Series. Scimitar design.
	Light-weight Composite construction
	w/ Integrated Stainless Steel Leading Edge
Installed Propeller & Spinner Weight	45.6 lbs (54 lbs for 3-blade)
Maximum Diameter	82.7 in. (210cm)
Minimum Diameter	79.9 in. (203cm)
TBO (whichever occurs first)	1800 hrs / 72 month

Options

HiGlo® Full Composite Spinner with chrome finish

Replaces

All existing propellers

Advantages (O-470-S; 230HP@2600rpm compared to 2-blade 82" McCauley)

- Approx. 14 lbs less weight than the original propeller; 27 lbs less than the 78" 403 Mac.
- Increased static thrust by 50 lbs.
- Shorter take-off distance by approx. 75'.
- Improved rate of climb performance by approx. 100fpm.
- Increased cruise performance by approx. 2 Kts.
- No restricted propeller rpm ranges
- Best vibration damping characteristics for almost vibration free propeller operations
- Bonded on stainless steel leading edge for best erosion protection of the blades.
- Unlimited blade and hub life.
- Reduced risk of engine damage resulting from prop strikes.
- No expensive or bothersome AD's