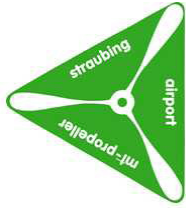


# Flight-Resource, LLC

World's Largest Volume MT Propeller Distributor

www.Flight-Resource.com.com

1-866-717-1117



mt-propeller



Type of Aircraft: Jetstream 31/32  
FAA STC: in process of validation  
EASA STC: 10027439  
EASA Aircraft TCDS: A.191  
FAA Aircraft TCDS: A21EU, A56EU  
Propeller TCDS: P22BO / P.104



## Applicable Aircraft

BAE Systems Jetstream 3100 & 3200 Series

## Engines

TPE331-10UF-51( )H, -10UR-51( )H, -10UG-51( )H, -10UGR—51( )

TPE331-12UA-71( )H, -12UAR-71( )H, -12UHR-71( )H

## MT 5-Blade Composite Propeller STC

### STC Kit Contents

Two 5-Blade Reversing and Full Feathering

Constant Speed Propeller

Two Full Composite Spinner (AFRP)

One STC Document Kit

MTV-27-1-E-C-F-R(G)/CFRL250-103

P-1096-( )

Various

### Propeller Specifications

Full Propeller Designation

Propeller Hub

Milled single-piece aluminum hub

Blade

Blade Design

Installed Propeller & Spinner Weight

Maximum Diameter

Minimum Diameter

TBO

MTV-27-1-E-C-F-R(G)/CFRL250-103

MTV-27-1-E-C-F-R(G)

CFRL250-103

Scimitar, light-weight natural composite

308.6 lbs

98.4 in.

98.4 in.

Currently 1500 hrs / 72 month (whichever occurs first), Target TBO is 3000 hrs

### Replaces

4-Blade Dowty Rotol and 4-Blade McCauley propellers (Diameter: 106 in.)

### Advantages (Performance data are based on MTOW, ISA)

- Best vibration dampening characteristics for almost vibration free propeller operations
- Bonded on stainless steel leading edge for best erosion protection of the blades
- No engine modifications (no cam or beta tube change)
- Ground roll distance reduced by approx. 130 m
- Take-off distance over 50 ft obstacle reduced by approx. 100 m
- Two engine and single engine climb performance slightly improved by up to 80 ft/min
- High Speed Cruise is slightly improved by up to 4 kts (15000 ft, ISA, 14500 lbs)
- Approx. 65 lbs less weight than the original metal propellers
- Unlimited blade life
- More ground clearance for less FODs
- FOD repairable blades
- Significant inside and outside noise reductions
- Aircraft noise level is about 3 dB(A) less than with the original metal propellers
- Cabin noise is reduced by 3 to 4 dB(A) depending on location