

MT Whisper Prop®

The Quietest, Most Durable Propeller on the Market

Beech 1900C/1900D



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BLR/MT Whisper Prop Videos

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Discovering MT Propeller



Discovering MT- Propeller's factory

MT Propeller Newest in Propeller Technology



An introduction to MT-Propeller

MT/BLR Whisper Prop® Benefits

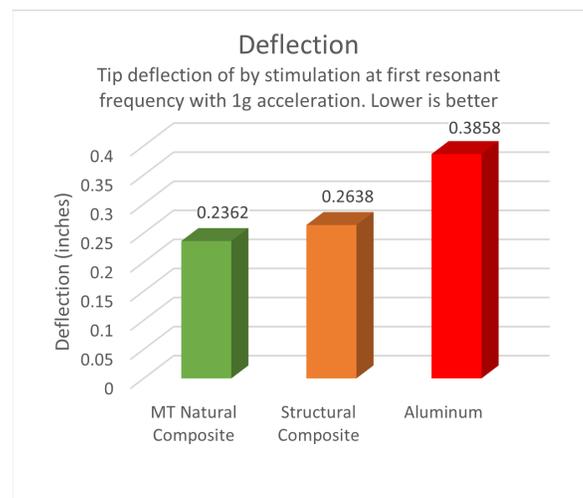
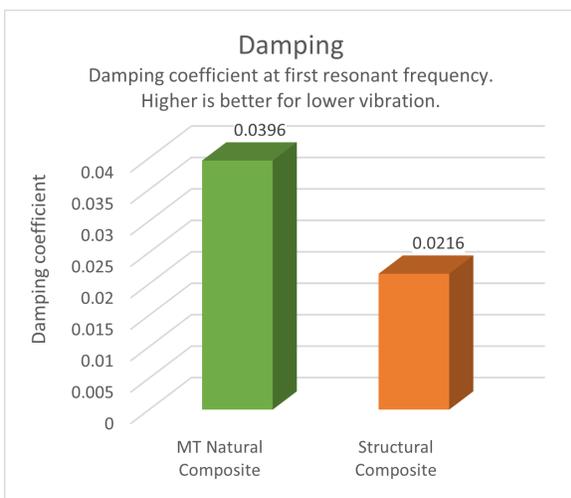
The five-bladed BLR Whisper Prop is manufactured by MT-Propeller. The Whisper Prop is engineered to be the most FOD resistant, quietest, easiest to repair and most durable props on the market today. The core of the blade is a hybrid comprised of resin injected beech and spruce hardwoods. The structural blade core is protected with carbon fiber skins for highest durability. Each blade is finished with a nickel cobalt leading edge, providing industry best erosion and damage protection.

Shortest Blade Diameter - FOD protection

- Smallest propeller available for the Beech 1900 providing less runway FOD to the blades, engine, and hull.

Quietest Propeller - comfortable cabin experience

- Wood core material paired with the reduction in propeller diameter reduces propeller noise.
- Wood core provides a 45% higher damping coefficient which results in a dramatic decrease in vibration and noise, significantly improving cabin and cockpit environment and less vibration fatigue on the aircraft and cockpit instruments.
- Decibels are measured logarithmically, where 3dB represents a 50% reduction in sound pressure level, so a drop of 6.5 dB(A) for the 1900C and 5 dB(A) for the 1900D by the Whisper Prop would represent a significant noise reduction compared to the original factory propeller. Certified noise level data is available in EASA's public record, found in ICAO Annex 16 section 10A(a) for take-off noise.



Field Repairable Blades - industry best Return-To-Service (RTS)

- FOD damage is repaired in-field with the blade on the aircraft using quick cure epoxy, allowing for unlimited replacement of blade OML (exterior factory shape/dimensions).
- Hub replacements are unnecessary, unlike other composite & metal props, simply swap blades and fly - no shop rebalancing.
- Quick in-field replacement of blades is possible, providing customers with industry-best RTS.
- MT Props are, by far, the best solution, especially on high-FOD and remote runways!

MT/BLR Whisper Prop® Benefits

Unlimited Blade Life - last set of blades you'll ever buy

- The core of a Whisper Prop blade is the structural component made of highly engineered composite wood (resin-infused beechwood with external carbon fiber protection plies). Our blade design never needs to be replaced for fatigue damage and is capable of quick epoxy-filled in-field repairs.
- Adds resale value.

Nickel-Cobalt Leading Edge Protection - toughest material available

- For superior erosion protection over Hartzell blades.
- Nickel-cobalt provides 3x more damage resistance than aluminum.

Improved Overhaul Schedule - fly with confidence

- MT propellers have the best TBO schedule for their props at 4500 hours/ 72 months.

No Ground RPM Limitation - best taxiing experience with fuel savings

- Due to unbeaten vibration behavior, no ground RPM limitation or in-flight RPM limitation exists.
- The Hartzell 4-bladed prop systems induce a critical and destructive vibration condition to the aircraft while on the ground, requiring high RPM while taxiing. The MT five-blade replacement does not have this problem, allowing for a more comfortable and fuel-saving taxi experience.
- Since there are no RPM limitations for ground operations, the ground idle solenoids may be deactivated, or removed. MT Installation manual (E-3887) has 2 options for the Ground Idle Solenoid.
 - The solenoid may be adjusted such that it no longer activates.
 - The instructions give the option to completely remove the Ground Fine Solenoid.

Dramatic Reduction in Vibration - easier on the pilot and the aircraft

- A 30-50% reduction in vibration allowing for a smoother flight and better long-term care of your propeller system and aircraft.



Beech 1900C/1900D Propeller Comparison

	1900C		1900D	
	BLR Whisper Prop MT 5 Blade Composite	Hartzell 4 Blade Composite	BLR Whisper Prop MT 5 Blade Composite	Hartzell 4 Blade Composite
2025 Price	\$188,760	\$197,400	\$188,760	\$212,100
Prop Diameter	102.4" (260.0 cm)	109.5" (278.1 cm)	102.4" (260.0 cm)	110" (279.4 cm)
Weight Per Aircraft	334.2 lbs (151.6 kg)	334.8 lbs. (151.8 kg)	334.2 lbs (151.6 kg)	290.2 lbs. (131.6 kg)
TBO	4500 Hr 72 Months	3000 Hr 60 Months	4500 Hr 72 Months	4000 Hr 72 Months
Noise	81.5 dB(A) 	88.0 dB(A) 	83.0 dB(A) 	88.0 dB(A) 
Warranty	2 yr / 1000 hr	1 yr / 1000 hr	2 yr / 1000 hr	1 yr / 1000 hr
Core Material	Natural Composite	Foam	Natural Composite	Foam
Leading Edge Material	Nickel Cobalt	Nickel Cobalt	Nickel Cobalt	Nickel Cobalt
In Field Repairable	Up to 1"	Up to 0.25"	Up to 1"	Up to 0.25"
Quickest In Field Repairs	✓	✗	✓	✗
In Field Blade Replacement	✓	✗	✓	✗
Unlimited Blade Life	✓	✓	✓	✓
No Ground Idle RPM Restrictions	✓	✗	✓	✗
Approval for Ground Idle Solenoid Removal	✓	✗	✓	✗

Contact Info:

For More Information

MT Whisper Props for the Beech 1900 are available through a large network of dealers around the world.

Visit our website at www.BLRaerospace.com to find the dealer nearest you or contact us directly:

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