

# HIGHLY EFFICIENT CARBON MAIN ROTOR BLADES

## DESIGN

The highly efficient carbon main rotor blades have been designed by gluing an all-metal edging into the leading edge. The composite main rotor blades are designed to be installed on helicopters with up to 140 kg take-off mass and rotor diameter of 3,200 mm (126"). The blades are fully interchangeable and carry a life-limit of 2,600 hours.

## UPGRADING

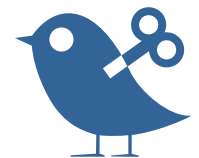
Due to the industrial production process the new carbon main rotor blades have long-life endurance, the enhanced aerodynamic performance, the increased wear resistance under severe weather conditions. The blades have superior behavior under extreme maneuvers.

## SAFETY

The state-of-the-art carbon main rotor blades are produced industrially with latest carbon multi-cross-layer technology using Heat Treating Furnace.



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For the helicopters with take-off weight up to 50 kg  
and rotor diameter 2,600 mm (102.36")

SPECIFICATIONS

Length	1,230 mm
Width	76-38 mm
Thickness	12.5-4.5 mm
Root Thickness	12.5 mm
Mounting Hole Size	6 mm
Rotation	Left (CCW) or right (CW)
Twist	10°
Material	Carbon fiber (prepreg)
Max. RPM	1,300 RPM
Weight	0.42 kg
MTOW (2 blades)	50 kg

For the helicopters with take-off weight up to 140 kg  
and rotor diameter 3,200 mm (126")

SPECIFICATIONS

Length	1,453 mm
Width	100-50 mm
Thickness	16.5-6 mm
Root Thickness	16-16.5 mm
Mounting Hole Size	12 mm
Rotation	Left (CCW) or right (CW)
Twist	9.5°
Material	Carbon fiber (prepreg)
Max. RPM	1,300 RPM
Weight	0.945 kg
MTOW (2 blades)	140 kg

