

FLY WITHOUT WINGS



AMERICAN RANGER 1 (AR-1)

GYROPLANE



WHY AMERICAN RANGER 1?

It's simple, not only are we the only gyroplane proudly Made in the USA, but we stand on a lengthy track record of being an industry leader where it counts: serving you - not only with a fine aircraft and the best parts pricing you can get, but with expert support and guidance you can trust and count on. If that isn't enough, well, take a look at the AR-1's features:

- HIGH-INERTIA ROTOR BLADES
- SHORT TAKEOFF DISTANCE
- MINIMAL LANDING DISTANCE
- EXTREME SLOW FLIGHT CAPABILITY
- OPEN COCKPIT VIEW
- EASY GROUND HANDLING
- SOFT SUSPENSION
- EASILY TRAIERED
- SMALL HANGAR FOOTPRINT
- WELDED STAINLESS STEEL FRAME
- WELDED ALUMINUM FUEL TANK
- LARGE COMFORABLE SEATING
- UNAFFECTED BY TURBULENCE
- LARGE SPEED RANGE (25 - 100 KTS)
- OPTIONAL FOLDING MAST
- OPTIONAL ADDITIONAL STORAGE
- OPTIONAL TURBO-CHARGED ENGINE OPTIONS
- OPTIONAL LARGER TIRES



STANDARD EQUIPMENT

- **NEW! Gyroplane Warning System (GWS):** a revolutionary safety system that uses predictive analysis to give the pilot an audible warning if a dangerous trend is developing
- Precision TIG-welded stainless steel frame (with back purging) with AN aircraft hardware
- Composite tail with horizontal & vertical stabilizer, and rudder for excellent stability
- 2000-hour life extruded aluminum 2-blade teetering rotor system
- Rotax 912ULS 100hp (Optional: 914UL Turbo-charged 115hp, 915iS Turbo-charged 140hp)
- Stainless steel exhaust system
- High-performance 3-blade composite propeller
- 4-point seat / shoulder belts
- Extra-tall front windscreen
- CNC torsion suspension trailing front forks steerable nosewheel for improved safety during crosswind landings
- Control sticks with PTT switch and rotor trim control
- Heavy-duty soft 7075 T6 machined aluminum leaf gear
- Hydraulic disc brakes on the main wheels with parking brake
- Electromechanical rotor trim control and rotor brake
- Flight instrumentation: airspeed indicator, altimeter, VSI & rotor tach
- Tailwheel to protect tail boom tube
- Adjustable foot pedals
- Aircraft-grade upholstery

SPECIFICATIONS

Max Take-off Weight:	1200 lbs (912ULS), 1260 lbs (914UL or 915iS)
Empty Weight:	640 lbs (912ULS), 660 lbs (914UL), 700 lbs (915iS)
Max Baggage:	25 lbs
Fuel Capacity:	21 US Gallons (20 usable)
Rotor:	Span: 28' 4", Chord: 8.4"
Minimum Speed (Vmin):	25 mph
Max Cruise Speed:	105 mph
Max Straight & Level Speed (Vh):	108 mph (912ULS), 120 mph (914UL or 915iS)
General Cruise:	55 - 100 mph
Never Exceed Speed (Vne):	120 mph
Take-off Ground Roll at ISA:	500 ft (912ULS), 400 ft (914UL), 265 ft (915iS)
Landing Roll:	0 - 50 ft
Range:	300 miles
Climb Rate at ISA:	650 fpm (912ULS), 850 fpm (914UL), 1000 fpm (915iS)

GET IN **TOUCH**

CONTACT

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