

# Tractor Prop Launcher

## 10 to 35 lb. Class Unmanned Aircraft

The tractor prop launcher is a sealed design and requires no electrical power for operation. It weighs approximately 80 pounds and is integrated into its transit case. The launcher has been designed from non-corrosive materials and does not deteriorate in performance over time.

The tractor prop launcher can be assembled and ready for use by a trained operator in less than five (5) minutes. The launcher has an optional mounting system which allows mating with a standard U.S. military .50 caliber machine gun mount; this allows flexible mounting on High Mobility Multiple Wheeled Vehicles (HMMWVs) and other armored vehicles.



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### SPECIFICATIONS

Launcher Weight (Including Container)	35.2 kg (78 lb)
Launcher Weight (Excluding Container)	17.2 kg (38 lb)
Launcher Footprint	263 cm x 102 cm x 40 cm (103.5 in x 40 in x 16 in)
Packaged Size	152 cm x 35 cm x 40 cm (60 in x 14 in x 16 in)
Arming	Hand Crank Winch with Electric Winch Option
Assembly Time	3 to 5 Minutes
Aircraft Weight Range	4.5 to 15.9 kg (10 to 35 lb)
Launch Speed	46.9 to 78.5 kph (29.1 to 48.8 mph)

### ESTIMATED LAUNCHER PERFORMANCE AT AIRCRAFT WEIGHTS

Aircraft Weight (lbs.)	Estimated Launch Velocity at Weight (kts)	Estimated Acceleration (g)
10	42.5	14.6
15	36.5	10.8
20	32.4	8.6
25	29.5	7.0
30	27.1	6.0
35	25.3	5.2

Note: This table is based on standard shuttle configuration. Changes to that shuttle will cause variation in launch velocity.



### Features

- Easily assembled by one person in less than five (5) minutes
- Can be operated in remote locations where power is not available
- Designed for use in salt water environments
- Can be mounted to any ship, truck or tank equipped with a .50 caliber gun mount
- Packaged in one small container

### Options

- Electric winch
- .50 caliber gun mount attachment
- Antenna tree
- Custom shuttle and launch point components
- HMMWV, truck or boat retrofit kit available

### FOR MORE INFORMATION CONTACT:

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