

## RM-62 Aerial Tow Target Reeling Machine-Launcher



### Features

- Semi-automatic, ram-air, turbine-driven reeling machine.
- Operates on modern fighter jet aircraft and civil aircraft.
- A fail safe disc brake prevents turbine and towline spool rotation when the tow reel is not in the reeling mode.
- Up to 40,000 feet towline length
- Two-way reeling system permits recovery and reuse of tow target
- Pilot operated, cockpit control panel with digital display of towline length, tension, machine status and optional scoring capability
- Compatible with numerous aircraft including A-4, A-7, F-4, F-5, F-16, F-15 and any aircraft fitted with standard NATO 30-inch pylon
- Available with centerline or side mounted target launcher
- Redundant towline cutters

### Description

The RM-62 Tow Reel is a semi-automatic, ram-air, turbine-driven reeling machine designed to reel out, stop, reel in and recover aerial towed vehicles. The towline is stored on a spool and is controlled and guided during reel-in and reel-out by a levelwind and system of sheaves. Reeling and tow vehicle recovery speeds are pre-programmed and automatically controlled by the Microprocessor Logic Control Module (MLCM). The tow reel is controlled by a cockpit or cabin installed panel (dependant on aircraft type) operated by the pilot or designated tow-reel operator. A fail safe disc brake prevents turbine and towline spool rotation when the tow reel is not in the reeling mode. A redundant towline cutting system employs impulse cartridges to sever the towline if an emergency cut is required.

The RM-62 Aerial Tow Target Reeling Machine-Launcher is a derivative of the well proven RM-24, RM-30 and RMK-35 reeling machines, and was developed to operate on high performance military aircraft and business jets for the purpose of supporting both short towline length air-to-air gunnery and long towline length surface-to-air missile target missions. Powered by an enclosed fixed bladed turbine, it has the load and towline capacity and reeling speed of the RMK-19.

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## Specifications

### Physical

Length	112.8
Diameter	
Air vents	27.9 in
Turbine	18.4 in
Centerbody	18.0 in
Height	23.0 in
Center of Gravity	50.7 in
Weight	550 ± 10 lb

### Performance

#### Reeling

Tow Aircraft speed(maximum)	250 KCAS
Average Launch/Recovery Speed	2,800 - 3,000 FPM
Reel-Out speed	2,800 - 3,000 ft/min
Reel-In Speed	
High	2,800 - 3,000 ft/min
Low (user defined)	typically 150 ft/min

#### Towing

Tow Aircraft Max Speed	0.95 MACH
Acceleration (Max)	6g

### Turbine

Diameter	18.4 in
Power Rating	62 hp

### Towline Load (maximum)

Towing	4000 lb
Machine Structural load rating	6000 lb

### Electrical

Operating voltage	28 VDC
Tension mechanism circuit	5 VDC
Current (maximum during reeling)	15 Amps



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