DATA SHEET

RM-30A1 Reeling Machine-Launcher

01 Description
The RM-30A1 represents the state-of-the-art in high performance reeling machine equipment. The primary feature of the RM-30A1 over Meggitt’s original RM-30A machine, is the complete elimination of all pneumatic and hydraulic systems.

The RM-30A1 operates exclusively on electric power and remains compatible with all aircraft on which the original RM-30A system has been qualified. This improved machine is even simpler to maintain than its predecessor and retains all of the original machine’s automatic reeling functions, enabling the tow aircraft pilot to operate this machine with minimal interference to his normal cockpit workload. The RM-30A1 control panel provides a selectable digital display of towline length and tension.

The spool can hold up to 9,450 meters (31,000 ft) of towline depending on the target configuration being towed, mission safety requirements, and towline size.

Microprocessor Logic Control Module (MLCM) provides dependable “user defined” system control and features automatic, power-up self-test of the RM-30A1, Redundant towline cutters.

It is available with left, right or centerline mounted saddle launcher enabling easy configuration to meet differing aircraft needs with respect to ground clearance and aircraft features.

The RM-30A1, RM-30A, and its derivative, the RMK-35 (AGTS-36), are currently in use by many of the military forces of the world, including the United States, Japan, Korea and England. These machines are readily adaptable and certifiable with other tow aircraft.

02 Key features and benefits
- Two-way reeling system, permitting recovery and reuse of tow targets
- In use with Gulfstream G-100, Learjet 35 & 36, Falcon 20, Alpha jet, L-59 and Hawker Hunter aircraft
- Compatible with NATO standard ejector rack lug spacing
- Optional video kit available to monitor target recovery
- Qualified for worldwide use IAW US Military Specifications and Standards

03 Applications
- Various

04 Contact
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### 05 Specifications

#### Performance
- Reeling speed: (max) 250 KCAS
- Tow aircraft speed: 1600 - 2000 FPM
- Average towline speed typically: 180 FPM
- Final recovery speed typically: 3500 lbs
- Maximum towing load

#### Electrical
- Operating voltage: 28 dc
- Current (max reeling): 10 amps
- Recommend circuit rating: 20 amps

#### Mechanical
- Suspension lugs: 14.0 spacing MS3314
  - 30.0 spacing MK 3 MOD O
- Usable towline volume: 2250 in³
- Nominal weight: 510 lbs (including launcher, less towline)
- External launcher
  - Height: 6.5 in
  - Length: 48.5 in
  - Width: 5.5 in
  - Cutter cartridge: MK 23 MOD O
- Cockpit control pit
  - Height: 2.63 in
  - Length: 6.50 in
  - Width: 5.75 in
  - Weight: 2.1 lb
  - Operating voltage: 28 dc
  - Current: 1 amp

### 06 Outline details

Note: Due to continuous process improvement, specifications are subject to change without notice. TCO Review #151