

DATA SHEET

TDK-39 A/A37U-36 Aerial Gunnery Tow Target



01 Description

The TDK-39 Aerial Gunnery Tow Target was developed to replace the TDU-10 Dart target and A/A37U-33 (SECAPEM 90B) target for the purpose of providing a gunnery target that is compatible with the operating airspeeds and maneuver capabilities of modern fighter aircraft. Compatible with Meggitt's RM series reeling machines, the TDK-39 is a re-usable solid body target specifically designed for high G maneuver capabilities providing a realistic air-to-air gunnery engagement.

The target houses a real time Doppler scoring system as well as an internal mechanism for deploying a 30 foot string sleeve Visual Augmentor (VA). This VA is the actual aim point of the engagement and is discarded into the sea after the TDK-39 is recovered and secured onto the reeling machine. Mission costs are therefore limited to the single use VA. The real time scoring system is optimized for 20-30 mm munitions and firing rates up to 7,200 rounds per minute.

Capable of operating up to Mach 0.9 and maneuvers up to 5 g, the TDK-39 Aerial Gunnery Tow Target provides a realistic, high performance air-to-air gunnery target at an affordable cost.

02 Key features and benefits

- Two stage configuration, consisting of an all aluminum forebody and a 30 ft. string-sleeve visual augmentor
- Automatic deployment of visual augmentor upon launch of target and jettison when forebody is recovered back to launcher
- Real-time scoring for shooters
- Up to 40,000 ft. altitude, 0.9 mach

03 Applications

- Modern fighter aircraft

04 Contact

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05 Specifications

Forebody

Diameter 10 in
Length 75.6 in

Visual augments¹

Diameter 31 in
Length 30 ft

System

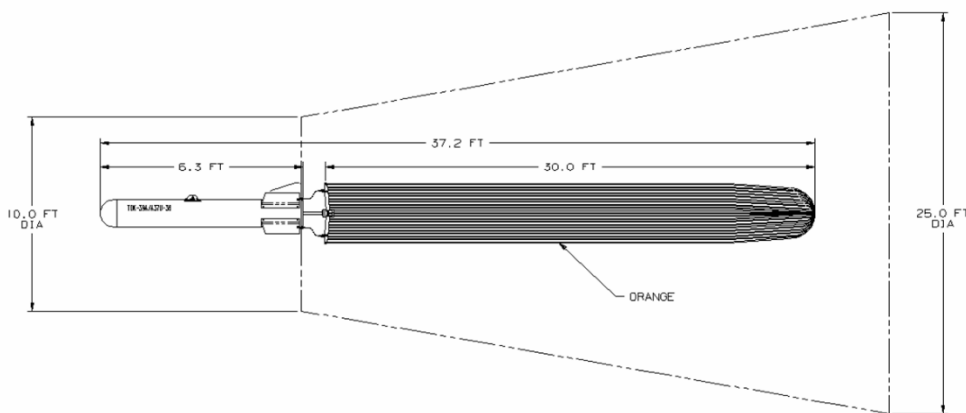
Packed length 94 in
Deployed length 37.2
Weight 162 lbs

Compatible with the RM-30A, RM-30B and RMK-35 reeling machines
Replacement feature of visual augments permits quick system turnaround

Doppler radar system installed in forebody. Conical antenna pattern projected around target sleeve for scoring realism
Accuracy not affected by temperature, airspeed or altitude

Qualified to meet worldwide operational requirements per MIL-STD-810 (Environmental Test), MIL-STD-461 (EMI), and MIL-STD-882 (System Safety)

06 Outline details



Note: Due to continuous process improvement, specifications are subject to change without notice. TCO Review # 148