



105MM M724A2 TPDS-T

Target Practice
Discarding
Sabot-Tracer



MUNITIONS

LARGE CALIBER

PURPOSE

This cartridge is used for gunnery training in tank-mounted 105mm gun cannons.

DESCRIPTION

This discarding sabot round is used as a training surrogate for all 105mm kinetic energy cartridges including the M735, M774, M833, and M900. There is a tracer located in the fin assembled to the aft end of the penetrator and sabot assembly. A nylon obturator is located on the exterior of the aft end of the sabot petals. A steel bourrelet is secured by screws to the forward end of the sabot petals. The igniter tube of the electric primer extends approximately halfway into the granular propellant packed loosely within the steel cartridge case.

OPERATION

The electrically initiated primer ignites the propelling charge and tracer. Gases produced by the burning propellant propel the projectile from the gun. The tracer burns for a minimum of 2.5 seconds. The sabot is discarded after leaving the muzzle of the weapon as a result of setback, centrifugal, and air pressure forces. The solid core of the projectile continues to the target. Since it is a practice round, the projectile lacks the penetrating capability of a tactical round.

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Sabot-Tracer

Complete Round

Length 39.5in (1003.3mm)

Cannon used with M68 or equivalent

Projectile

Body material Steel penetrator, aluminum sabot

Color Blue

Components

Cartridge case M148A1, B1

Propellant M14

Primer Thickwall Primer

Performance

Max effective range 2000m (2187yd)

Muzzle velocity 1570mps (5151fps)

Max chamber pressure 5972bars

TEMPERATURE LIMITS

Firing

Lower limit -26°F (-32°C)

Upper limit +126°F (+52°C)

Storage

Lower limit -51°F (-46°C)

Upper limit +145°F (+63°C)

PACKING

1 round per PA117 metal ammunition container

