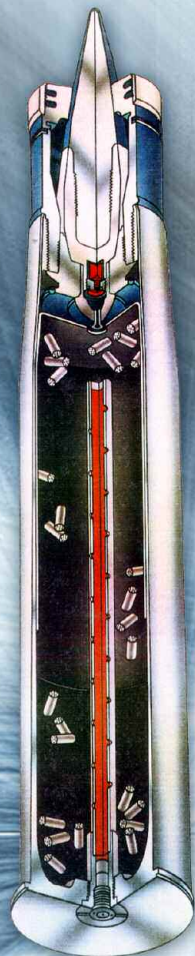


105MM M724A1 TANK TRAINING ROUND



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

Description: This discarding sabot round is similar in external appearance and is ballistically similar up to 2000 meters with the APDS-T Cartridge M392A2. It 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 base of the projectile. A plastic band encircles the sabot at the forward end. A fiber rotating band and rubber obturating band are mounted toward the base of the the sabot. The igniter tube of the electric primer extends almost the length of the propellant packed loosely in the 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 severe round.

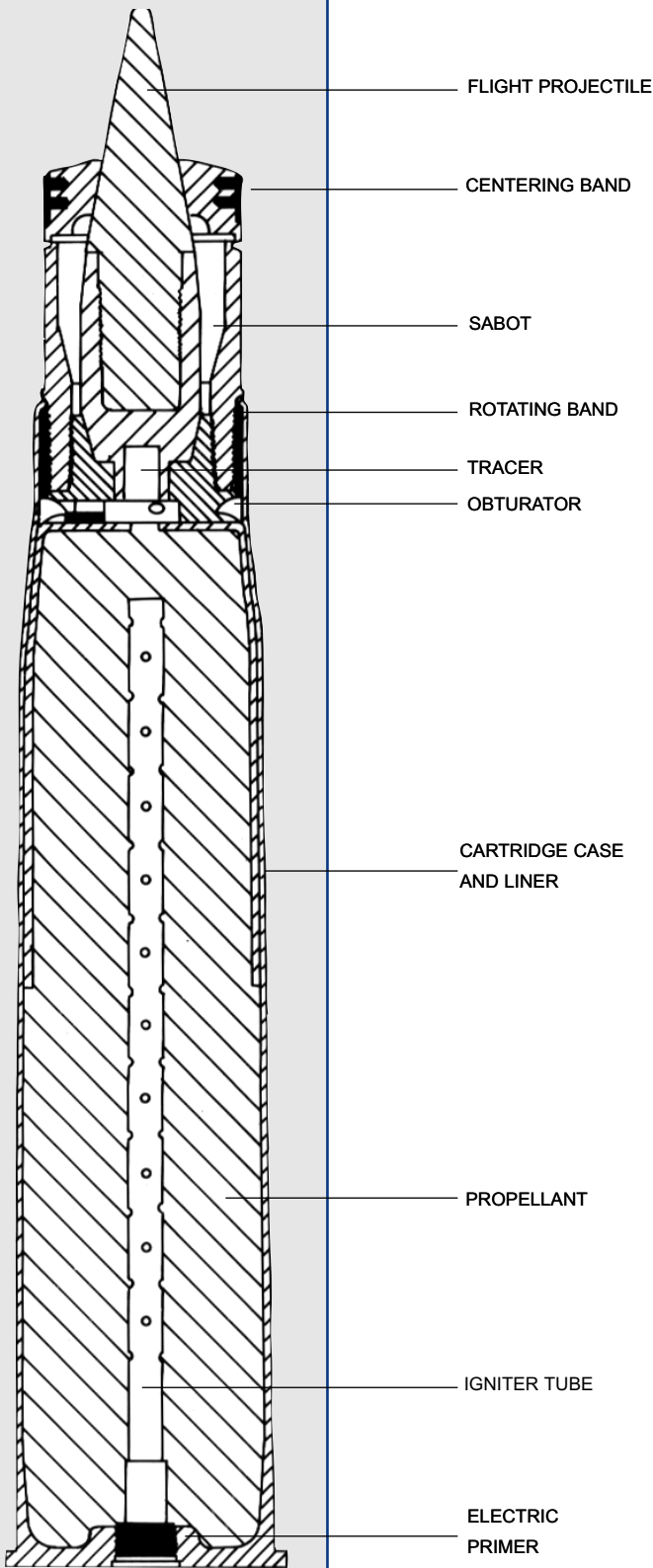


GENERAL DYNAMICS
Ordnance and Tactical Systems

11399 16th Court North, Suite 200, St. Petersburg, FL 33716 Phone: (727) 578-8100

**105MM Tank Training
Ammunition
M724A1 TPDS-T**

105MM KINETIC ENERGY (STEEL) TANK TRAINING AMMUNITION



TYPE CLASSIFICATION:

STD, MSR 05746014 dtd 1974.

CHARACTERISTICS:

Complete round:

Type _____ TPDS-T
 Weight _____ 32 lbs (14.5 kg)
 Length _____ 33 in (838 mm)
 Cannon used with _____ M68

Projectile:

Body material _____ Steel
 Color _____ Blue w/white marking

Components:

Cartridge case _____ M115B1
 Propelling charge _____ M1
 Primer _____ M80A1
 Tracer _____ M13

Performance:

Maximum range _____ 16,739 m (18,450 yd)
 Muzzle velocity _____ 1,539 mps (5,080 fps)

TEMPERATURE LIMITS:

Firing:

Lower limit _____ -40° F (-40° C)
 Upper limit _____ +125° F (+52.0° C)

Storage:

Lower limit _____ 80F (-62.2° C) (for period no more than 3 days)
 Upper limit _____ +160° F (+71.1° C) (for period no more than 4hr/day)

PACKING:

1 round per fiber container; 2 containers per wooden box

Packing box:

Weight _____ 107 lbs (48.5 kg)
 Dimensions _____ 39^{7/8} x 14^{1/8} x 8^{23/32} in
 (1012.⁸ x 358.8 x 221.5 mm)
 Cube _____ 2.8 cu ft. (.08 cu m)