



# 40 x 180mm Advanced Ammunition

Northrop Grumman is a leading producer of a complete family of 40mm tactical and target practice ammunition that is accurate and lethal in anti-armor, anti-material, anti-personnel, ground suppression, air defense and shipboard-defense applications. With the proper “up gun” modifications, it can be fired from the MK44 Stretch Chain Gun® to provide the ultimate combat overmatch.

In addition to conventional ammunition, Northrop Grumman is the leading developer in advanced ammunition solutions to provide continued overmatch in a number of engagement scenarios and increased flexibility for combat load-outs.

Today, we are continuing to support a more capable force through our medium caliber ammunition solutions, which includes airbursting, proximity, guided and armor penetrating — capable to provide greater precision and the ability to counter unmanned threats and to defeat advanced armor.

## 40 X 180mm SUITE OF AMMUNITION

**PABM-T**  
PROGRAMMABLE AIR  
BURST MUNITION WITH  
TRACER



**HEI-T**  
HIGH EXPLOSIVE  
INCENDIARY WITH  
TRACER



**TP-T**  
TARGET PRACTICE WITH  
TRACER



**APFSDS-T**  
ARMOR PIERCING FIN-  
STABILIZED DISCARDING  
SABOT WITH TRACER



# Cartridge

# Description

CART. LTH	CART. WT.	PROJ. WT.	PROP. WT.	PROP. TYPE	PRIMER	FUZE	M. VEL.	DISPERSION	TRACE TIME
<p><b>PABM-T</b> PROGRAMMABLE AIR BURST MUNITION WITH TRACER</p> <p>The 40mm Programmable Air Burst Munition with Tracer (PABM-T) meets the need for increased lethality for infantry fighting vehicles. It is designed to defeat troops in the open, such as anti-tank missile-guided (ATGM) teams, troops in defilade. The key to the system is the airburst fuze that uses a turns counting method to provide the required burst point accuracy. Our inductive fuze setting approach is easily integrated into weapon platforms and is designed to be fired from Northrop Grumman's Bushmaster "up gunned" Mk44 Stretch cannon. The round features a mid-body fuze to allow for maximum effectiveness on target. The PABM-T can be fired in 3 modes: airburst, point detonate, point detonate-delay.</p>									
290mm	1,030 g	545 g	170 g	Single Base	M36A2.	Turns/Time	1,000 m/s	0.7 mrad. max	5.5 s/min.
<p><b>HEI-T</b> HIGH EXPLOSIVE INCENDIARY WITH TRACER</p> <p>The 40mm High Explosive Incendiary with Tracer (HEI-T) meets the need for combat overmatch in urban terrain (MOUT) and defeat of light-skinned targets and infantry. As an added advantage, it incorporates incendiary capability against flammable targets and integrates Northrop Grumman's M759 dual-safe mechanical fuze. This fuze provides superior arming delay, graze function, and extended range sensitivity.</p>									
290mm	1,055 g	560 g	170 g	Single Base	M36A2.	M759	1,000 m/s	0.5 mrad. max	5.5 s/min.
<p><b>TP-T</b> TARGET PRACTICE WITH TRACER</p> <p>The 40mm Target Practice with Tracer (TP-T) is a low-cost target practice round ballistically matched to the 40mm HEI-T and PABM-T. This round was developed for ground vehicle applications using the "up gunned" Mk44 Stretch cannon. The TP-T is used in training, weapons testing, and system checkouts.</p>									
290mm	1,075 g	580 g	170 g	Single Base	M36A2.	N/A	980 m/s	0.5 mrad. max	5.5 s/min.
<p><b>APFSDS-T</b> ARMOR PIERCING FIN-STABILIZED DISCARDING SABOT WITH TRACER</p> <p>The 40mm Armor Piercing Fin-Stabilized Discarding Sabot with Tracer (APFSDS-T) is capable of complex armor and RHA defeat and offers significant penetration capabilities at extended ranges. It consists of a subcaliber fin stabilized tungsten alloy launched by means of a lightweight sabot. Penetration at any given range, and conversely range for any given penetration, is greatly enhanced compared to 30mm APFSDS-T projectiles.</p>									
290mm	820 g	315 g	190 g	Single Base	M36A2.	N/A	1,375 m/s	0.5 mrad. max	1.9 s/min.