

# 30mm x 173mm Ammunition



Mk238  
Mod 1 HEI-T



Mk239  
TP-T



Mk266  
Mod 1 HEI-T



Mk268  
APFSDS-T



Mk310  
Mod 0  
PABM-T

## Superior Lethality for Ground and Sea Platforms

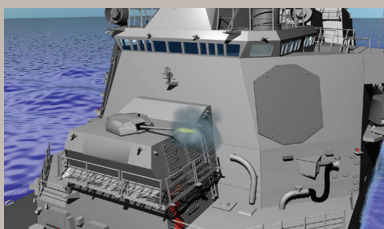
ATK's family of 30mm x 173mm ammunition builds on our production experience of over 100 million rounds of 30mm GAU-8 ammunition. This new generation of ammunition for ATK's Mk44 cannon has been developed and qualified in support of the U.S. Marine Corps Expeditionary Fighting Vehicle (EFV). Mk44 cannon and 30mm ammunition use has expanded to include infantry fighting vehicles and naval platforms around the world.

The 30mm x 173mm family includes a full spectrum of effective ammunition including armor-piercing, anti-personnel, and cost-effective training ammunition. These rounds provide the outstanding accuracy, lethality, and penetration necessary to defeat the threats on the battlefield today and tomorrow.

The newest member of the family is the Mk310 Mod 0 Programmable Air Burst Munition. This round provides the capability to detonate the projectile at a user-designated precise point in space. The ATK air burst system integrates ATK's Mk44 cannon and air burst fuze setter into a platform's fire control system. This enhances a platform's lethality, giving it the ability to detonate a round over a target to defeat targets in defilade.



EFV



LPD



CV9030

## The 30mm x 173mm Ammunition Family

	<b>Mk238 Mod1 HEI-T</b> High Explosive Incendiary with Tracer	<b>Mk239 TP-T</b> Target Practice with Tracer	<b>Mk266 Mod1 HEI-T</b> High Explosive Incendiary	<b>Mk268 APFSDS-T</b> Armor Piercing Fin Stabilized Discarding Sabot with Tracer	<b>Mk310 Mod 0 PABM-T</b> Programmable Air Burst Munition – Traced
<b>Cartridge length</b>	290mm	290mm	290mm	290mm	290mm
<b>Cartridge weight</b>	670g	675g	670g	725g	713g
<b>Projectile weight</b>	362g	372g	362g	235g	423g
<b>Propellant weight</b>	153g	153g	153g	176g	150g
<b>Fuze</b>	ATK-758LD Point-Detonating Self-Destruct	N/A	ATK-151-LD Point Detonating	N/A	ATK Turns/ Time
<b>Muzzle velocity (typical)</b>	1,050 m/s	1,050 m/s	1,050 m/s	1,385 m/s	980 m/s
<b>Chamber pressure</b>	345 MPa	345 MPa	345 MPa	360 MPa	360 MPa
<b>Dispersion</b>	0.5 mr	0.5 mr	0.5 mr	0.4 mr	0.5 mr



The ATK Mk44 cannon is the preferred choice for increased platform lethality.

### Cartridges

The Mk238 and Mk266 HEI-T cartridges provide the accuracy and lethality for light materiel, antipersonnel, and fire suppression roles. The Mk238 incorporates a self-destruct fuze using an ATK-designed low-drag version of the 25mm M758 fuze. The Mk266 does not have a self destruct function providing another ammunition option based on mission requirements.

The Mk239 TP-T provides a low cost ballistically matched training round for the HEI-T cartridges.

The Mk268 APFSDS-T has been developed by RWM-Schweiz. ATK is working with them to provide this round to the USMC EFV program.

The Mk310 PABM-T is the most versatile 30mm cartridge available. It offers air burst, point detonate, and point detonate with delay fuze settings. The cartridge can provide lethal suppressive fire through its air burst function or it can be used to penetrate light armor vehicles or reinforced concrete walls. It also has the capability to delay detonation allowing it to penetrate a wall and detonate behind the wall or inside a room for a lethal effect.

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