

30 x 173mm Advanced **Ammunition**

Northrop Grumman is a leading producer of a complete family of 30mm 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 that is fired from land-, air- and sea-based platforms worldwide.

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 looking to the future to help support a more capable force by creating a new family of medium caliber ammunition, 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.

30 X 173mm SUITE OF AMMUNITION

PGU-46

HIGH EXPLOSIVE INCINDIARY WITH INERT TRACER



PGU-15 TP

TARGET PRACTICE



PGU-13 HEI

HIGH EXPLOSIVE INDCENDIARY



MK310 PABM

PROGRAMMABLE AIR BURST MUNITION WITH TRACER



MK 266 HEI-T MK238 HEI-T/SD

HIGH EXPLOSIVE INDCENDIARY WITH TRACER AND SELF-DESTRUCT



Mk239 TP-T

TARGET PRACTICE WITH TRACER



M928 APFSDS-T

ARMOR PIERCING FIN-STABILIZED DISCARDING SABOT W/TRACER





Cartridge

Description

CART. LTH CART. WT. PROJ. WT. PROP. WT. PROP. TYPE PRIMER FUZE M. VEL. DISPERSION TRACE TIME The PGU-46 is a modification of the PGU-13 HEI, adding a non self-destruct, Northrop Grumman Low Drag fuze. **PGU-46** The Low Drag fuzes produced exclusively by Northrup Grumman, provides superior performance at extended HIGH EXPLOSIVE INCINDIARY ranges. These rounds are capable of defeating light armor vehicles and ground targets used with the Mk44 and WITH INERT TRACER GAU-23 (which arm AC BOJ gunships) or any cannon firing 30mm x 173mm ammunition. 3,540 fps 7 mr rad 713 g 665 g 148 a M36A2 Perc NG 151-LD 290mm Sinale Base 1.079 ms max The PGU-15 TP is a low-cost target practice round, ballistically matched to the PGU-13 High Explosive Incendiary cartridge. This design is used for training applications, also proven in applications against light armor. The PGU series of ammunition is currently in use with the 30mm GAU-8/A Gatling gun on the U.S. Air Force A-10 close-PGU-15 TP TARGET PRACTICE support aircraft. The PGU-15 TP is used in training, weapons testing and aircraft systems checkout. 3,540 fps 1.0 mr rad 378 g 145 g Single Base M36A2 Perc. 290mm 681 g 1,079 ms max The primary role of the PGU-13 HEI cartridge is the defeat of light material targets. As an added advantage, it **PGU-13 HEI** incorporates incendiary capability against flammable targets. The 30mm PGU series is currently in use with the 30mm GAU-8/A Gatling gun on the U.S. Air Force A-10 close-support aircraft. Northrop Grumman's PGU-15 TP HIGH EXPLOSIVE provides a low-cost training round that is ballistically matched to the PGU-13 HEI. **INDCENDIARY** 3,350 fps 1.0 mr rad M505 PD 290mm 681 g 378 g 150 g Single Base M36A2 Perc. 1,020 ms The MK310 30mm PABM-T round meets the need for increased lethality for infantry fighting vehicles. The key to the system is the airburst fuze that uses a turns and time counting method to provide the required burst point **MK310 PABM** accuracy. Our inductive fuze setting approach is easily integrated into weapon platforms and is designed to PROGRAMMABLE AIR BURST be fired from Northrop Grumman's Bushmaster Mk44 cannon. The round features a rear-set fuze to allow for MUNITION WITH TRACER maximum effectiveness on target. The Mk310 PABM-T can be fired in 3 modes: airburst, point detonate, point detonate-delay. 290mm 713 g 424 g 140 g Single Base M36A2 Perc. Turns / Time 5 sec min 970 ms **MK 266 HEI-T** The Mk266 and Mk238 HEI-Ts are modifications of the PGU-13 HEI, adding a tracer and Northrop Grumman's Low Drag fuze. The Mk266 uses a non self-destruct version of the fuze while the Mk238 uses a self-destruct version. MK238 HEI-T/SD The Low Drag fuzes, produced exclusively by Northrop Grumman, provide superior arming delay, graze HIGH EXPLOSIVE function and extended range sensitivity. These rounds are used in the Mk44 or any cannon firing 30mm x 173mm INDCENDIARY WITH TRACER ammunition. Northrop Grumman's MK239 TP-T provides a ballistically matched training round for both the AND SELF-DESTRUCT MK266 HEI-T and the MK238 HEI-T/SD 3,540 fps 362 g 290mm 148 g 0.7 mr max 665 a Sinale Base M36A2 Perc 5 sec min NG 758-LD 1.080 ms The Mk239 TP-T is a modification of the 30mm PGU-15 TP, adding a tracer to meet the requirements of ground Mk239 TP-T vehicle applications. The round provides a cost effective training round that is ballistically matched to the Mk266 TARGET PRACTICE WITH HEI-T and Mk238 HEI-T. This round was developed for ground vehicle applications which use the Mk44 cannons or any cannon firing 30mm x 173mm ammunition. The MK239 TP-T is balistically matched to both the MK266 HEI-T **TRACER** and MK238 HEI-T/SD. 3,425 fps 1,047 ms 1.0 mr rad 290mm 675 g 372 g 148 a Sinale Base M36A2 Perc. 5 sec min max **M928 APFSDS-T** This M928 is an Armour Piercing Fin Stabilized Discarding Sabot with Tracer (APFSDS-T) type. It consists of a ARMOR PIERCING FINsubcalibre fin stabilized tungsten alloy projectile launched by means of a lightweight sabot. Penetration at STABILIZED DISCARDING any given range, and conversely range for any given penetration, is greatly enhanced compared to older generation APDS or AP projectiles. The round is Stanag 4624 compliant. SABOT W/TRACER

Percussion



0.4 mr rad

1.430 ms

530 g

220 g

163 g

290mm