



30 x 113mm (LW30) Advanced Ammunition

Northrop Grumman is a leading producer of a complete family of LW30mm 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 113mm (LW30) SUITE OF AMMUNITION

LW30 M788 TP
TARGET PRACTICE



LW30 HEI-T
HIGH EXPLOSIVE INCENDIARY
WITH TRACER



LW30 TP-T
TARGET PRACTICE WITH
TRACER



LW30 XM1198 HEDP-SD
HIGH EXPLOSIVE DUAL
PURPOSE SELF-DESTRUCT



LW30 XM950 TP
TARGET PRACTICE



LW30 XM1211 HEP/PROX
HIGH EXPLOSIVE PROXIMITY



LW30 M789 HEDP
HIGH EXPLOSIVE
DUAL PURPOSE



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Cartridge

Description

CARTRIDGE LENGTH	CARTRIDGE WEIGHT	PROJECTILE WEIGHT	PROPELLANT WEIGHT	PROPELLANT TYPE	PRIMER	FUZE	MUZZLE VELOCITY	DISPERSION	TRACE TIME
LW30 M788 TP TARGET PRACTICE	The LW30mm M788 TP is a low-cost training round, ballistically matched to the M789 HEDP cartridge. Developed and fielded for Northrop Grumman's M230 chain gun on the AH-64 Apache helicopter, the ammunition is fully interoperable with the M230 Link Fed (LF) gun system. Because of its light weight, small volume, and moderate recoil, LW30mm ammunition is ideal for helicopters, light ground vehicles, and shipboard applications.								
199.99 mm	343 g	233 g	52 g	Ball	PA520 Electric	—	2,641 fps/ 805 m/s	1.35 m radial maximum	—
LW30 M789 HEDP HIGH EXPLOSIVE DUAL PURPOSE	LW30mm HEDP ammunition features a spin-compensated, shaped-charged liner for superior armor defeat. Outstanding armor penetration at ranges from 150 to 3,000 meters, combine with blast, concussion, and fragmentation characteristics, gives superior multi-role, multi-target defeat capabilities. Developed and fielded for the Apache's M230 chain gun, the ammunition is interoperable with link fed versions of this gun system. Its light weight, small volume, and moderate recoil make it ideal for air, land, and sea applications. The M788 TP provides a low-cost, ballistically matched target practice round.								
199.99mm	340 g	229 g	52 g	Ball or Extruded	PA520 Electric	M759 PD	2,641 fps/ 805 m/s	1.35 m radial maximum	—
LW30 HEI-T HIGH EXPLOSIVE INCENDIARY WITH TRACER	The Northrop Grumman LW30 HEI-T round offers high explosive and incendiary effects for improved effectiveness against soft and lightly armored targets. This round is fuzeed with the dual safe M759 point detonating fuze developed by Northrop Grumman. The cartridge was developed for the M230 Link Fed gun system and the electrically primed version for the M230 chain gun on the AH-64 Apache attack helicopter. The LW30 HEI-T is manufactured with either an electric or percussion primer. The LW30 TP-T provides a ballistically matched, low-cost target practice cartridge, for LW30 HEI-T round.								
199.99 mm	349 g	238 g	50 g	Extruded	M36A2 Percussion or PA520 Electric	M759 PD	2,641 fps/ 805 m/s	1.35 m radial maximum	5.7 seconds
LW30 TP-T TARGET PRACTICE WITH TRACER	The LW30mm TP-T provides a low-cost, traced, target practice cartridge that is ballistically matched to the M788 TP and M789 HEDP rounds. Developed for Northrop Grumman's M230 chain gun on the AH-64 Apache helicopter, LW30mm TP-T ammunition is fully interoperable with the Northrop Grumman Remote Weapon Station's M230 Link Fed gun system. The LW30mm ammunition's light weight, small volume, and moderate recoil is ideal for helicopter, light ground vehicles, and shipboard applications.								
199.99 mm	340 g	230 g	52 g	Ball	PA520 Electric	—	2,641 fps/ 805 m/s	1.35 m radial maximum	5.7 seconds
LW30 XM1198 HEDP-SD HIGH EXPLOSIVE DUAL PURPOSE	LW30mm HEDP-SD ammunition includes all of the features of the M789 HEDP with the addition of a percussion primer and a self-destruct function which reduces the likelihood of collateral damage beyond 2,000 m of flight. Developed and fielded for the XM914 chain gun, its light weight, small volume, and moderate recoil, make it ideal for air, land, and sea applications. The XM1198 TP provides a low-cost, ballistically matched target practice round.								
199.99 mm	339 g	229 g	52 g	Ball	M36A2 Percussion	XM1169 PDSD	2,789 fps/ 805 m/s	1.35 m radial maximum	—
LW30 XM950 TP TARGET PRACTICE	The LW30mm XM950 TP is a low-cost training round, ballistically matched to the XM1198 HEDP cartridge. Developed and fielded for Northrop Grumman's XM914 and M230LF percussion primed chain guns. Because of its light weight, small volume, and moderate recoil, LW30mm ammunition is ideal for light ground vehicles and shipboard applications.								
199.99 mm	343 g	233 g	52 g	Ball	M36A2 Percussion	—	2,789 fps/ 850 m/s	1.35 m radial maximum	—
LW30 XM1211 HEP/PROX HIGH EXPLOSIVE PROXIMITY	LW30mm High Explosive Proximity Ammunition (LW30 HEP/PROX) is a 30mm x 130mm Radio Frequency (RF) Proximity Fuzed, high explosive, fragmentation round designed for the M230 and M20LF (XM914) chain gun. The system delivers a 30mm projectile in close proximity to targets (airborne, naval, or ground) with RP proximity sensor based detonations. LW XM1211 HEP is a non-programmable proximity cartridge which includes backup Point Detonation (PD) and a self-destruct feature, providing a capability to defeat UAS, light armored vehicles, troops in the open and targets in defilade.								
199.99 mm	340 g	230 g	52 g	Ball	M36A2 Percussion or PA520 Electric	—	2,641 fps/ 805 m/s	1.35 m radial maximum	—