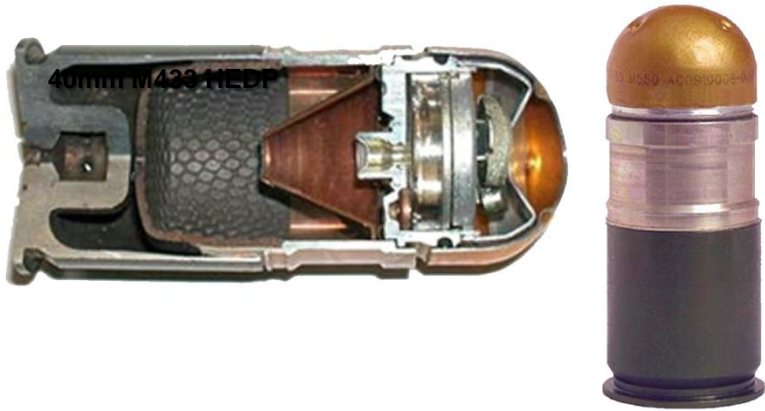
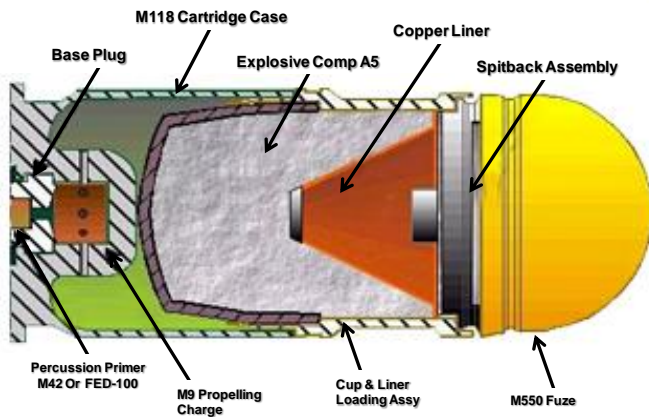


40MM M433 HEDP



M433 High Explosive Dual Purpose 40mm Grenade

The M433 HEDP 40mm Grenade is the Low Velocity Grenade of choice for our Warfighters, using the M203 or M320 Grenade Launchers. The Grenade consists of the M118 Aluminum Cartridge Case, M550 AMTEC Point Detonating Fuze, Copper Liner, Warhead Body with Fragmentation and CompA5 Explosive. The M433 is capable of defeating light Armor and Incapacitating Personnel, out to a Maximum Range of 400 Meters.



Characteristics	Details
Assembly Facility	Spectra Technologies – Camden , Arkansas
Armor Penetration	63mm Steel
Cartridge Case - Manufacture	M118 40x46mm - Amron, Antigo Wisconsin
Max Range / Effective Range	400 Meters / 350 Meters
Muzzle Velocity	76 Meters/Second
Explosive Fill	Composition A5
Fuze - Manufacture	M550 - AMTEC, Janesville Wisconsin
Detonator - Manufacture	M55 – Tech Ord, Clear Lake South Dakota
Specification / DODIC	MIL-DTL-50872 / B546
NSN	1310-00-992-0451
Hazard Class / UN	1.1E / 0006
Packaging	72 Cartridges, 6 unit bandoleers in Wood Box 1,944 Cartridges per pallet

AMTEC, the largest producer of 40mm Grenades in the world, is currently under contract with the US Army to produce the M433, along with



additional Grenades in both the Low and High Velocity family of 40mm. These include: Tactical, Training, Smoke, Illumination, and Non Lethal. AMTEC has delivered more than 3 Million M433 Grenades to the US Army, Navy, Air Force and Marine Corps since 2006.

ASSEMBLY, LOAD, TEST

AMTEC, as the 40mm System Prime Contractor, is highly motivated to assure product excellence for our Joint Service Warfighters whose lives depend on our Grenades. We recognize the need for *Quality, Reliability, Ruggedness, and Performance* of the 40mm family of Grenades.

AMTEC 40mm Capabilities Include:

- *High Volume Assembly*
- *Cartridge Case Manufacturing*
- *Fuze Manufacturing*
- *Automated Inspection*
- *Digital X-ray*
- *Explosive Loading*
- *Test*
- *Pack and Ship*

AMTEC manufactures its products by following a proven ISO Quality System, managing core processes, and continuously improving these processes using Six Sigma and Lean Methodologies. AMTEC manages its Quality System by utilizing ISO 9001:2008 standard, including suppliers and subcontractors.

40mm Tactical	Quantity Produced	Spec Requirement	Quality Results
M433 40mm Low Velocity	>3 Million	.958	.993
M430A1 40mm High Velocity	>15 Million	.968	.995

AMTEC continues to exceed requirements for quality and reliability for 40mm Grenade Production



40MM M433 HEDP



With headquarters in Janesville Wisconsin, AMTEC, A National Defense Corporation Company, provides state-of-the-art facilities and equipment to supply ammunition systems, which include tactical & training ammunition, precision fuzing, firing devices, and initiators. The operations are specifically designed around safe ammunition build-up and handling with flexible manufacturing lines to handle multiple products. Consistent safe and reliable operations have instilled customer confidence in AMTEC products.

As prime contractor to the US Army, we understand Systems Management to assure a safe, effective, reliable product is produced, including Scheduling, Supply Chain, Inventory, Risk and TDP Management

Other AMTEC divisions include:

- **Amron** - World's leader in the production of medium caliber cartridge cases (brass, aluminum, and steel).
- **TechOrd** – Leading manufacturer of detonator, booster pellets, release cartridges and other energetic devices.

Other NDC companies include:

- **Spectra Technologies** – Explosive processing and loading, ordnance manufacturing and assembly services
- **ALS** - Manufactures a complete line of less lethal products for law enforcement and corrections customers

Low Velocity 40mm Grenades



M433 HEDP



M583A1



M781 Practice



M1006 Non-Lethal

AMTEC Family Of 40mm Grenades



M430A1 HEDP



M918 TP

High Velocity 40mm Grenades



M385 Practice



Mixed Belt