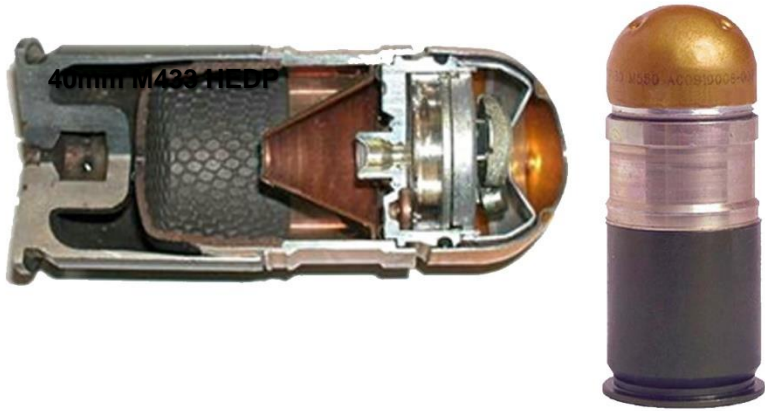
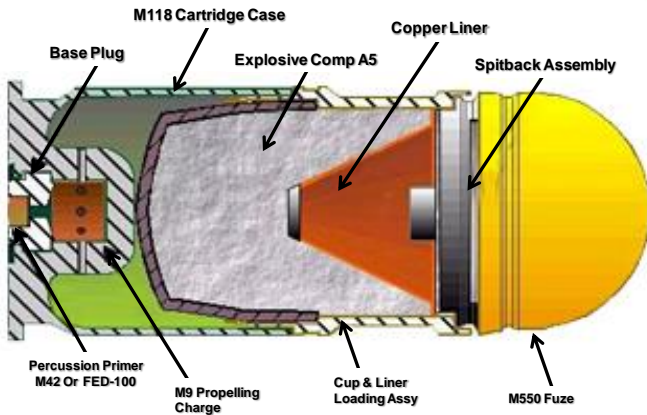


# 40MM M433 HEDP



## 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.



AMTEC, with over 15 years experience as the U.S. 40mm system prime contractor, and 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 6 Million M433 Grenades to the US Army, Navy, Air Force and Marine Corps since 2006.



| 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<br>1,944 Cartridges per pallet |



# 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 9001:2015 standard, including suppliers and subcontractors.

| 40mm Tactical             | Quantity Produced | Spec Requirement | Quality Results |
|---------------------------|-------------------|------------------|-----------------|
| M433 40mm Low Velocity    | >6 Million        | .958             | .993            |
| M430A1 40mm High Velocity | >27 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.

With over 15 years experience as the 40mm system 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.

**Spectra Technologies** – AMTEC has a close working relationship with Spectra Technologies, another National Defense Corporation company. Spectra is expert at explosive processing and loading, ordnance manufacturing and assembly services

### Low Velocity 40mm Grenades

### AMTEC Family Of 40mm Grenades

### High Velocity 40mm Grenades



M433 HEDP



M583A1



M781 Practice



M1006 Non-Lethal



M430A1 HEDP



M918 TP



M385 Practice



Mixed Belt