

25mm Ammunition



M791
APDS-T



M792
HEI-T



M793
TP-T



M910
TPDS-T



PGU-32/U
SAPHEI-T

The logical choice for current and future infantry fighting vehicles

Combat Proven

Alliant Techsystems is the world's leading supplier of proven, low-cost 25mm ammunition. Our 25mm family offers the outstanding reliability, accuracy, lethality, and penetration necessary to defeat a wide variety of threats on the battlefield. This ammunition is extremely effective in antiarmor, antimateriel, antipersonnel, and fire suppression roles. Our modern production facilities and experienced personnel ensure that you'll receive the highest quality 25mm ammunition at the lowest possible cost.

Flexible

Bushmaster 25mm ammunition performance characteristics provide the Bradley Fighting Vehicle, the LAV, other infantry fighting vehicles, and air defense platforms (equipped with the McDonnell Douglas M242 chain gun, the Oerlikon KBA B02B1 weapon system, or any other NATO-qualified 25mm weapon system) with the firepower necessary to meet a variety of applications.

Other derivatives of the Bushmaster 25mm family are used in the AV-8B Harrier (PGU-25/U HEI and PGU-32/U SAPHEI-T), in the AC-130 Gunship (PGU-38/U HEI), and in shipboard defense systems like the MK 38 (MK 210 HEI-T and PGU-32/U SAPHEI-T).

NATO Interoperable

Alliant Techsystems' 25mm ammunition meets or exceeds all U.S. government performance requirements. Our company is the only 25mm ammunition producer in the world to have obtained NATO certification for any of its rounds. Our rounds have been tested in accordance with NATO STANAG 4173 and the guidelines outlined in the NATO Manual of Proof and Inspection (MOPI).

The 25mm Ammunition Family

	M791 APDS-T Armor-Piercing Discarding Sabot with Tracer	M792 HEI-T High-Explosive Incendiary with Tracer	M793 TP-T Target Practice with Tracer	M910 TPDS-T Target Practice Discarding Sabot with Tracer	PGU-32/U SAPHEI-T Semi-Armor Piercing High Explosive Incendiary-Traced
Cartridge weight	455g	493g	492g	415g	493g
Muzzle velocity (nominal)	1345 m/s	1100 m/s	1100 m/s	1520 m/s	1100 m/s
Chamber pressure (typical)	410 MPa	360 MPa	360 MPa	410 MPa	360 MPa
Trace (typical)	2.2 sec	6.0 sec	6.0 sec	4.0 sec	5.5 sec
Dispersion (typical)	.30 x .30 mr	.55 x .55 mr	.30 x .30 mr	.30 x .30 mr	.45 x .45 mr
Penetration (typical)	25mm RHA @ 60° 1300m	NA	NA	NA	13mm RHA @ 30° 1000m
Fuze type	NA	M758 PDS	NA	NA	Pyrotechnically initiated
Time of flight (2000m)	1.7 sec	3.6 sec	3.6 sec	1.9 sec	3.6 sec
NSN	1035-01-380- 8960	1305-01-380- 9884	1350-01-380- 5862	1305-01-426- 4359	1305-01-356- 9083



Rounds

The M791 APDS-T round possesses the superb accuracy and penetration necessary to defeat today's threats. Its high velocity, coupled with a low time of flight, assures effective performance at extended ranges.

The M792 HEI-T round offers the accuracy and lethality needed for light materiel, antipersonnel, and fire suppression roles. This round is fuze with the M758 Point Detonating Self-Destruct (PDS) fuze, developed and produced exclusively by Alliant Techsystems. The M758 provides superior arming delay, graze and extended range sensitivity, and self-destruct when compared to existing medium caliber fuzes.

The M793 TP-T is a low cost, target practice cartridge, ballistically matched to the M792 HEI-T round.

The M910 TPDS-T is a training cartridge designed to specifically match the trajectory of the APDS-T round, but with a desired range limit.

The PGU-32/U SAPHEI-T round provides aerial and surface gun platforms with improved effectiveness against soft and light armored targets. This round is qualified for use on the AV-8/B Harrier and MK 38 Navy weapon systems and complies with NATO STANAG 4173.

The M791 APDS-T, M792 HEI-T, M793 TP-T, M910 TPDS-T, and PGU-32/U SAPHEI-T rounds are interchangeable with the M242 Bushmaster cannon, the KBA B02B automatic cannon, the GE525 (GAU-12/U) Gatling gun, and other NATO-qualified systems.

For information contact: ATK Medium Caliber Systems
3309 N. Reseda Circle
Mesa, AZ 85215 USA
Phone: 480-324-8729

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