

30mm GAU-8/A Ammunition



PGU-13 HEI



PGU-14 API



PGU-15 TP



A-10 Thunderbolt

Currently in use with the 30mm Gatling gun on the U.S. Air Force A-10 Thunderbolt

Applications

Proven capable against armor targets, GAU-8 ammunition (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. Its application on the GPU-5A gun pod is designed to provide antiarmor capabilities to the A-7, F-4, F-5, and F-16 aircraft.

Performance

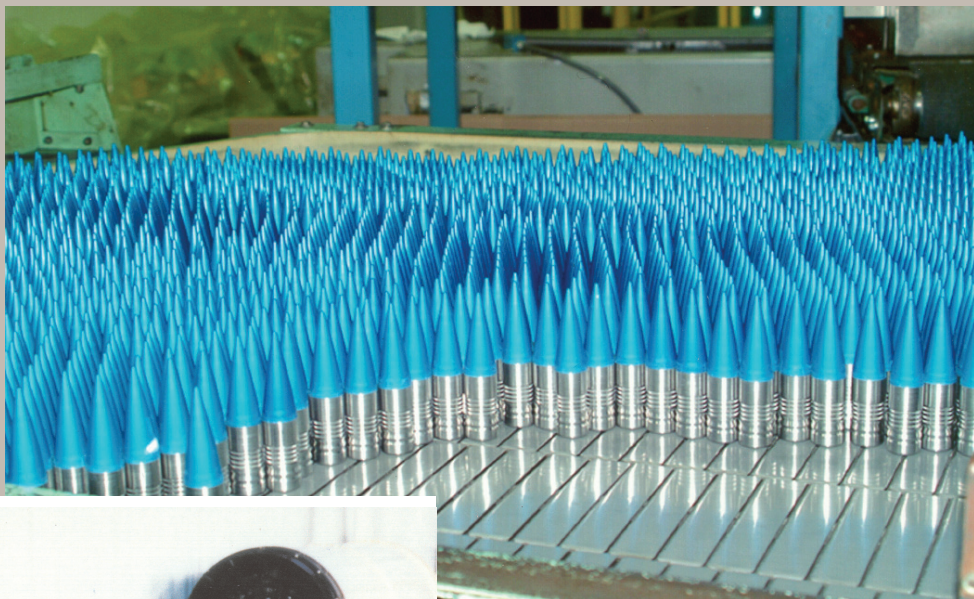
The GAU-8/A gun is capable of firing rates of 2100 and 4200 spm. The lethality performance demonstrated against tank targets in extensive firing evaluations has led to the expansion of this capability through the GPU-5A gun pod. Deployment of the pod, together with the A-10 capabilities, will provide the flexible fire-power required to defeat tank threat today and into the future.

Rounds

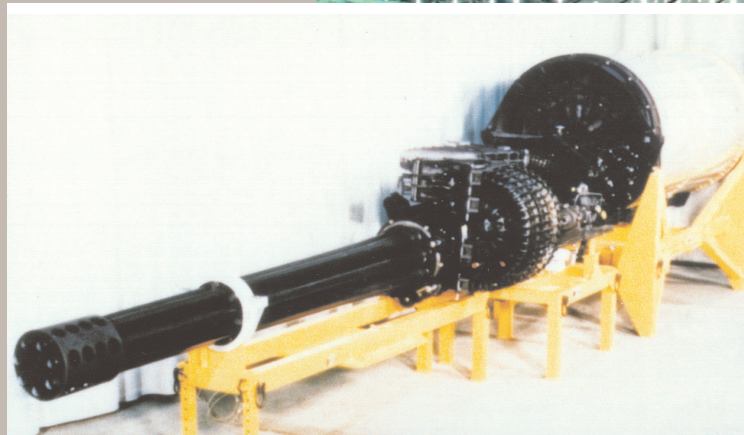
The primary ammunition of the 30mm family is the Armor-Piercing Incendiary (API) round, PGU-14/B. With the kinetic energy needed to defeat armor, this projectile possesses a high-density penetrator and demonstrates the follow-through fragmentation and pyrophoric effects for maximum effectiveness.

The companion High-Explosive Incendiary (HEI) round, PGU-13/B, provides the necessary capability for defeat of light materiel targets. As an added advantage, it incorporates extended range incendiary capability against fuel targets.

To complete this family of ammunition, GAU-8/A ammunition offers a low-cost Target Practice (TP) round, PGU-15A/B. This design, used for training applications, has also been proven effective in applications against light armor.



PGU-15 TP Projectiles



GAU-8/A Cannon

GAU-8/A Cannon

30mm, 7-barrel Gatling
 3900 rounds/minute
 Normal burst: 100-2500 rounds
 Ammo capacity: 1350 rounds
 Loaded weight: 4000 lb
 Length: Over 21 ft
 Linkless feed system

Ammunition Technical Data

	PGU-13 HEI	PGU-14 API	PGU-15 TP
Length (max):	290mm	290mm	290mm
Cartridge weight:	681g	694g	681g
Muzzle velocity (nominal):	1020 m/s	1013 m/s	1021 m/s
Projectile weight:	378g	395g	378g
Dispersion (typical):	0.6mr x 0.6mr	0.6mr x 0.6mr	0.6mr x 0.6mr
Fuze:	M505		
Cartridge case:	Aluminum	Aluminum	Aluminum

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