



FAP 20 MM x 102 AMMUNITION/PEA280

FRANGIBLE ARMOUR PIERCING

- The “Frangible” concept was developed to defeat both “hard” and “soft” targets, without recourse to the use of conventional high explosives and fuzes.
- The FAP round was specifically designed for aircraft cannons, such as M61, and comprises a frangible tungsten alloy core plastic moulded in-situ in a steel body fitted with a “tombak” (brass/copper) driving band.
- On impact, the frangible tungsten core penetrates the outer skin of the target and then progressively breaks up as it passes through the remaining structure. Thereby releasing a highly energetic fragment cloud, which causes damage deep inside the target and ensures a high kill probability.
- The FAP round can be deployed in both the air-to-ground and air-to-air roles and has the same trajectory as the low drag PGU28/B and M-70 LD ammunition.
- Due to its design concept, the FAP round is intrinsically safe from ricochets as the core breaks up on ground impact.
- Reduced life cycle cost (hazard class as per TP).

MAIN FEATURES

Performance	Defeats hard and soft targets
Firing mode	Single shot and automatic mode
Safety	Insensitive munition (no HE)
Environment	No toxic elements
Transport/Storage	UN Classification 1.4C
Gun/System	M61

TECHNICAL DATA

Total length of round	168mm
Mass of round	approx. 259g
Mass of projectile	102g
Propellant	Ball powder type
Muzzle velocity	1,050m/s
Cartridge case	Brass
Temperature range (functional)	-54°C to +71°C
Dispersion	≤0.5 mil
Penetration 1,000m	20mm/0° NATO
Aircraft velocity	250m/s

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