



# FAP-F 20 MM x 102 AMMUNITION PEA 388

## FRANGIBLE ARMOUR PIERCING WITH FLASH

- 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-F 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.
- A flash charge under the ballistic cap gives the round a good visibility at impact and generates an additional suppression effect.
- The FAP-F round can be deployed in air-to-ground and air-to-air roles and has the same trajectory as the low drag PGU28 series and M70LD ammunition.
- Due to its design concept, the FAP-F 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	168 mm
Mass of round	approx. 262 g
Mass of projectile	102 g
Propellant	Ball powder type
Muzzle velocity	1,050 m/s
Cartridge case	Brass
Temperature range (functional)	-54°C to +71°C
Dispersion	≤0.5 mil
Penetration 1,000 m	20 mm/0° NATO
Aircraft velocity	250 m/s

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