Northrop Grumman is a leading 20mm ammunition producer. Our tactical and training ammunition is United States Government qualified and used by domestic and international customers worldwide across multiple platforms.

**Description & Features**
The 20mm PGU-27 TP is a training round ballistically matched to the PGU-28 SAPHEI, ZAP Super-Quick HEI and ZAP Delay SAPHEI. The 20mm PGU-30 TP-T cartridge is a traced version of the PGU-27. The M50 series is compatible with all 20mm M39A2, M61, M197, and M621 gun systems. The 20mm PGU-30 TP-T cartridge is usually linked (M14A2N Link) in a 4:1 TP to TP-T configuration for special applications.

**Facts At A Glance**

**Physical Data**
- Cartridge Length: 6.615 in max / 168 mm max
- Cartridge Weight: 3,985 grains / 258 g
- Projectile Weight: 1,505 grains / 98 g
- Propellant Weight: 580 grains / 38 g
- Propellant Type: WC 868
- Cartridge Case Length: 102 mm
- Cartridge Case Material: Brass
- Primer Type: M52A3B1, Electric

**Performance Data**
- Muzzle Velocity: 3,410 fps / 1,039 m/s
- Chamber Pressure (ambient): Avg + 3*Std Dev < 61,500 psi / 424 MPa
- Dispersion: Avg Mean Radius < 15 in @ 500 yd
- Trace Time: PGU-30: 2.5 s min