

# M82T

## Modified Primer for 155mm Artillery Ammunition



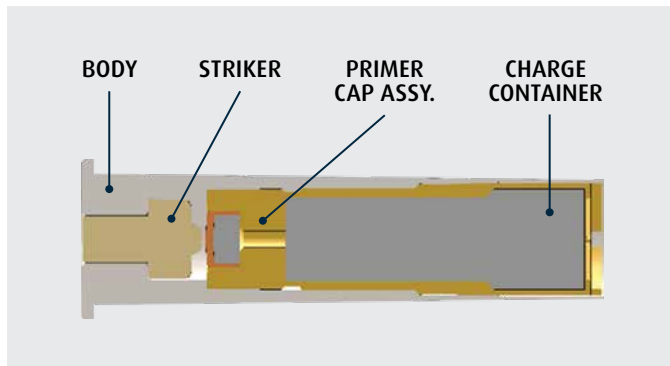
The M82T percussion primer is used to initiate the propelling charges in separate loading artillery weapon systems. The primer is inserted into the firing lock of the breach weapon. When the firing pin strikes the base of the primer, the plunger is driven forward and initiates the primer in the ignition element. The primer flash ignites the powder charge in the container assembly, which flashes through the vent tube to ignite the propelling charge (bag, UMACS). The M82T is a modified primer designed to replace M82 types, maintaining the same dimensions without affecting the ballistics.

# M82T

## Modified Primer for 155mm Artillery Ammunitions

### Main Advantages

- The number of parts was reduced to increase reliability
- The primer is totally sealed
- The primer body was changed from brass to stainless steel to withstand higher chamber pressures
- Primer packaging method changed from individual sealed packs to packaging in a munitions box



### Technical Data

#### Technical Characteristics:

- Type: Percussion
- Weight: 32g
- Length: 49mm
- Filler and Weight:
  - Nitrocellulose Compound: 1.3g
  - Percussion Igniton Mixture: 0.031g

#### Temperature Limits:

- Firing
  - Lower limit: -54°C
  - Upper limit: +63°C
- Storage
  - Lower limit: -54°C
  - Upper limit: +71°C

#### Sensitivity of Initiation and Pressure:

- All fire > 1.04 Joule
- No fire < 0.17 Joule
- Pressure Resistance  $\leq$  450 MPa