

# 40x46 mm Round **RLV-TB** Thermobaric Grenade

NSN: 1310-50-001-2382

The **RLV-TB** round detonation causes both air-blast and thermal emission against enemy manpower, equipment, light armored, and unarmored vehicles. Most effectively used in different types of shelters, covered areas, and caves, but is still effective in the open.

The zone of destruction is characterized with overpressure and intense heat created in the detonation area.

**The Rounds are compatible with:**

- Underbarrel Grenade Launchers: ARSENAL UBGL-M6 / UBGL-M7 / UBGL-M16 / M203 / FN GL1 / HK269 / AG36 / and other launchers adopted to use lethal ammunition (combat types, e. g. - HEF / HEDP / AD / TB);
- Stand-alone Grenade Launchers: ARSENAL UGGL-M1 / HK169 / HK269 / FN GL-S / M320 / and other launchers adopted to use lethal ammunition (combat types, e. g. – HEF / HEDP / AD / TB);
- Multi-shot Grenade Launchers: Milkor Mark 1L / Rippel XRGL / ARSENAL MSGL / and other launchers adopted to use lethal ammunition (combat types, e. g. - HEF / HEDP / AD / TB);



| TECHNICAL CHARACTERISTICS               | RLV-TB   |
|---|--|
| Type                                    | Low velocity, thermobaric  |
| Caliber, mm                             | 40 x 46  |
| Overall length, mm/in                   | max 134 mm / 5.2 in  |
| Weight of Round, kg/lbs.                | max 0.257 kg / 0.56 lbs.   |
| Explosive filling                       | TBC-2 (Thermobaric composition)  |
| Thermobaric composition weight, kg/lbs. | 0.087 kg min / 0.19 lbs. min   |
| Cartridge case material                 | Aluminum alloy   |
| Primer type                             | Percussion, Boxer  |
| Propellant charge                       | Double base powder   |
| Fuzee type                              | AF41 - point detonating, with time and super-quick and check action and self-destruction |
| Arming distance, m                      | from 10 to 40 m  |
| Self-destruction time, s                | from 14 to 19 seconds  |
| Details of arming function              | 3 steps of safety  |
| Muzzle velocity, m/s                    | 76   |
| Max firing range, m                     | 400 m  |
| Operational temperature, °C/°F          | from -43°C to 52°C / -45.4°F to 125.6°F  |
| <b>CLASS OF EXPLOSION HAZARD</b>        | <b>1.1E; UN 0006</b>   |

| PACKING                             |   |
|-------------------------------------|---|
| Number of rounds in one wooden case | 84 rounds<br>28 pcs packed in a metal airtight box<br>3 pcs. metal box in a wooden case |
| Wooden case dimensions, mm/in       | 875 x 398 x 206 mm / 34.4 x 15.6 x 8.1 in   |
| Case weight, kg/lbs.                | 40 kg / 88.1 lbs.   |
| Case volume, m <sup>3</sup>         | 0.072 m <sup>3</sup>  |