

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

NSN: 1310-50-001-2381

The **RLV-TB** round detonation causes both air-blast and thermal emission against enemy manpower and equipment.

On impact the fuze activates and initiates the bursting charge which disperses the thermobaric composition TBC-2. The TBC-2 interacts with the oxygen from the air; an air-fuel mix is generated which detonates from the bursting charge. Affected area of destruction is saturated with overpressure and intense heat.

The Rounds are compatible with the Arsenal:

- UBGL / UBGL-1 / GP-25 / GP-30 / GP-34
- AVALANCHE Grenade Launcher - revolver type

Underbarrel Grenade launchers would be mounted on ARSENAL Assault Rifles:

AR-M1, AR-M1F, AR-M7F, AR-M9, AR-M9F, etc.;

and on AK-74, AKS-74, AKM, AKMS, AK 101, and AK 103;



TECHNICAL CHARACTERISTICS	RLV-TB
Type	Low Velocity, thermobaric
Caliber, mm	40
Overall length, mm/in	max 134 mm / 5.2 in
Weight of round, kg/lbs.	max 0.25 kg / 0.5 lbs.
Thermobaric composition type	TBC-2
Thermobaric weight, kg/lbs.	0.087 kg / 0.19 lbs.
Cartridge case material	aluminum alloy
Max firing range, m	400 meters
Muzzle velocity, m/s	76
Radius of defeat, m	-
Radius of shock effect, m	-
Fuze type	AF41 - point detonation fuze with distant arming and self-destruction
Arming distance, m	from 10 to 40
Self-destruction time, s	from 14 to 19 seconds
Details of arming function	3 steps of safety
Operation temperature degrees, °C/°F	from -50°C to 50°C / -58°F to 122°F
CLASS OF EXPLOSION HAZARD:	1.1E; UN 0006

PACKING	
Number of rounds in one wooden case	84 rounds 28 pcs packed in a metal airtight box 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 ³	0.072 m