



155mm BONUS

Anti-Armor, Top Attack Artillery

BONUS gives 155mm cannon artillery long-range capability to destroy enemy combat vehicles, ranging from armored personnel carriers and self-propelled guns, to infantry fighting vehicles and main battle tanks.

The 155mm BONUS artillery-launched, fire-and-forget munition is capable of successfully combating any armored vehicle. Compatible with the majority of existing artillery guns, BONUS is handled just like a conventional shell. The munition also features a base-bleed design, which increases its range to a maximum of 35 kilometers when fired from a NATO L52 gun.

Above the target area, the BONUS carrier shell separates to deploy two sensor-fuzed munitions which then rotate in search of targets within a given search footprint, up to 32,000 square meters. As soon as a threat is located, the munition immediately moves into the attack phase to accomplish its mission and destroy the target.

Each of the two expelled munitions independently seeks and eliminates its own target, using an Explosively Formed Penetrator (EFP) warhead.

The munition's high spin rate, high speed of descent and absence of a parachute make it virtually undetectable and therefore undefeatable. If no targets are identified, the system self-destructs to avoid leaving live munitions on the battlefield.

MULTI-MODE SENSOR

BONUS detects and identifies targets by processing signals received from passive infrared (IR) sensors covering multiple wavelengths. The system then combines the results with signals received from the profile sensor to separate combat-worthy targets from false targets.

Using a combination of sensors, BONUS is effective against targets that use both passive and reactive protection systems.

Key Features

- Probability of hit > one per shell
- Multi-mode sensor
- Effective long range
- Compatible with most 155mm artillery





TECHNICAL DATA

Calibre	155 mm
Ballistic Similitude	M 864
Carry-to-gun Weight	45 kg
Length w/o fuze	803 mm
Maximum Range	
JBMOU L/52	35 km
JBMOU L/39	27 km
Fuze	Time
PHit	≥ one target per shell
Submunition Descent/Rotation	
Descent Velocity	45 m/s
Spin rate	15 rps
Optical Axis	30o to spin axis
Search Pattern	Helical
Search diameter	200 m diameter
Search Area	32,000 m ²
Sensor Suite	Dual Mode
Sensortype	Multi-band IR and Ladar
Altimeter	Ladar
Warhead Type	Explosively Formed Penetrator >2000 m/s
Penetration	>100 mm to 140 mm of RHA
Shelf life	15 years



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