



155MM BALLISTIC EXTENDED RANGE (BER) AND GUIDED LONG RANGE (GLR)

OTO VULCANO is a family of unguided (BER) and guided (GLR) ammunition for the 76mm, 127mm naval guns and 155mm land artillery systems.

The OTO VULCANO 155mm ammunition gives the 155/52 caliber and 155/39 caliber Howitzers the capability to extend their operative range and precision beyond the actual limits, minimizing engagement costs and collateral damages.

OTO VULCANO 155mm projectile is a sub-caliber, fin stabilized airframe, compatible with the use of standard modular charges, with no need of additional propulsion; it is loaded with Insensitive Explosive and Patented tungsten rings; the mechanical interfaces are the same as in standard 155mm ammunition.

OTO VULCANO 155mm available rounds are:

- Ballistic Extended Range (BER) unguided multi-role ammunition with multi function (Altimetric, Impact, Delayed Impact, Time, Self-Destruction) programmable fuze
- Guided Long Range (GLR) with canard control actuated by IMU + GPS guidance system for navigation (gliding trajectory) and possibility of terminal guidance (pull down) with optional Semi-Active-Laser (SAL)

A Mission Planning Module allows exchanging data with the Fire Direction Centre for the management of the Firing Mission.

OTO VULCANO 155

DESIGN OVERVIEW

- Sub calibrated airframe
- Fin stabilised
- IMU+GPS guidance system, gliding phase
- Ballistic flight, no additional propulsion
- Minimisation of engagement cost
- Insensitive Munition (IM)
- Possibility of Terminal Guidance (SAL)

AMMUNITION CONFIGURATIONS

Ballistic Extended Range (BER)

Unguided multipurpose ammunition:

- Up to 50Km range
- Multifunctional Fuze
 - Altimetric
 - Impact/Delayed impact
 - Time
- Notched HE warhead

Guided Long Range (GLR)

Guided ammunition for NFS:

- Up to 80Km range
- Autonomous IMU + GPS guidance
- Precise bombardment firing
- Notched HE warhead

System integration

Vulcano ammo family is fully compatible with 155/52 ordnance (e.g. PzH2000) and automatic loading system.

- Use of standard modules charges
- Vulcano ammo can be fired by all 155/39 caliber guns

