

INTRODUCTION

CBC Reduced Range (RR) ammunition was designed for training in space constrained firing ranges and sensitive populated surroundings. By reducing the overall Safety Danger Zone (SDZ), the technology allows for training exercises closer to the quarters, with greater logistic efficiency and range availability. It is also applicable for operational use, while mitigating the risk of collateral damage.

CBC .50 cal RR Ball and Tracer comply with 7.62x51mm M80 safety template, with maximum range not exceeding 3,500m, or half of the maximum range comparing to the standard .50 NATO Ball ammunition. Both RR Ball and Tracer have matching ballistic trajectories with standard .50 NATO Ball up to 800 m (figure 1).

The product performance is achieved due to a special aerodynamic bullet design, that cause the projectile's spin velocity to decrease during flight, progressively reducing its gyroscopic and dynamic stability.

The CBC .50 cal RR cartridges were successfully tested against the complete NATO qualification program and have been fielded by several NATO and allied countries.

The technology was designed for training in

Figure 1 - Maximum range comparison between .50 caliber (RR) and .50 NATO caliber



12.7x99mm Reduced Range Ball

12.7x99mm Reduced Range Tracer

space constrained firing ranges and sensitive populated surroundings.

Allows training in smaller firing ranges (7.62x51mm M80 Surface Danger Zone)

Simultaneous training by multiple units at the same training facility, when space permits

Logistics efficiency in allowing training to occur closer to the quarters, reducing costs

Suitable for tactical operations, decreasing risk of collateral damage

Trace visibility from 200 meters up to 1500 meters, reducing shooter´s signature

Compliant with NATO Small Caliber MOPI and no weapon modification or conversion kit required

COMPOSITION & VISUAL IDENTIFICATION

1	Projectile Ball	Monolithic brass bullet with grooves machined at the ogive
2	Projectile Tracer	Monolithic brass bullet with grooves machined at the ogive and identified by a red tip
3	Trace Performance	Between 200m and 1500m
4	Case	Brass (Cu ₇₀ Zn ₃₀)
5	Propellant	Single Base REACH compliant, CBC own production.
6	Primer	Percussion, Boxer type, crimped and sealed

WEAPON SYSTEMS

Fully compatible with all NATO igoplusnominated weapons or equivalents with no need for modifications or auxiliary equipment.

