

# REDUCED RANGE

## INTRODUCTION

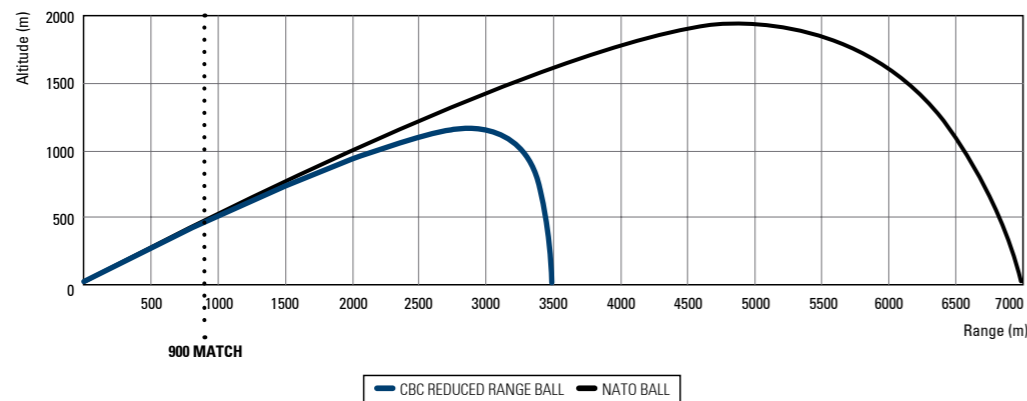
CBC Reduced Range (RR) ammunition was design for tactical operations in sensitive populated surrounding and for training in space constrained firing ranges. By reducing the overall Safety Danger Zone (SDZ), the technology mitigates risk of collateral damage and provides greater logistic efficiency and range availability.

CBC .50 cal RR Ball and Tracer comply with 7.62 x 51 mm M80 safety template, with maximum range not exceeding 3.500 m, 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 900 m (figure 1).

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

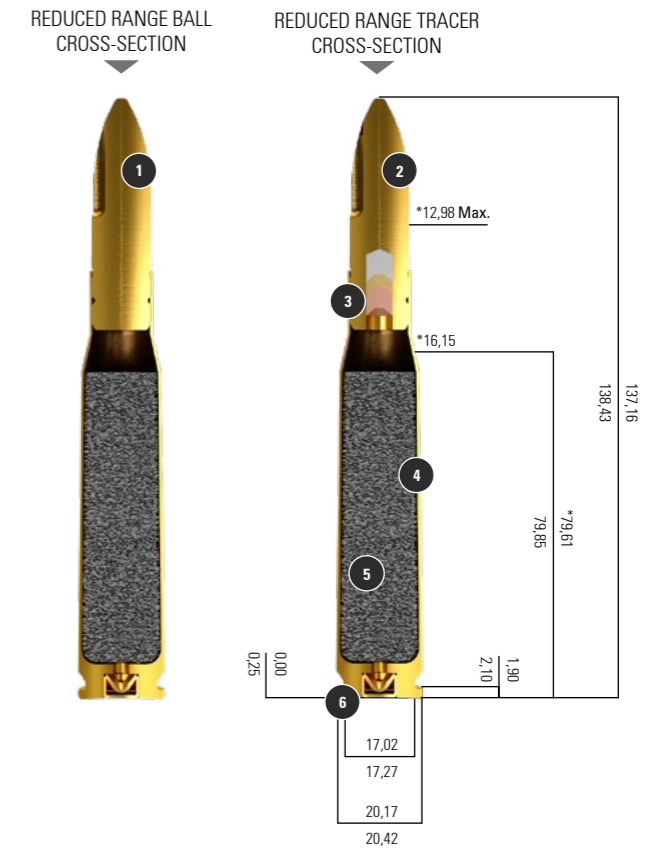
The CBC .50 cal RR cartridges were successfully tested against the complete NATO qualification program and have been fielded by several NATO and allied countries.

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



## COMPOSITION

1	PROJECTILE BALL	MONOLITHIC BRASS BULLET FRONTAL FLUTES
2	PROJECTILE TRACER	MONOLITHIC BRASS BULLET FRONTAL FLUTES RED TIP IDENTIFICATION
3	TRACE PERFORMANCE	UP TO 1500 m
4	CASE	BRASS (CU <sub>70</sub> ZN <sub>30</sub> )
5	PROPELLANT	SINGLE BASE, REACH COMPLIANT
6	PRIMER	PERCUSSION, BOXER TYPE, CRIMPED AND SEALED



⊕ Fully compatible with all NATO nominated weapons or equivalents without the need of any modifications or auxiliary equipment.

## ADVANTAGES

- Applicable for tactical operations, decreasing risk of collateral damage;
- Solid projectile can penetrate light barriers and unarmored structures in urban combat scenarios;
- Allows training in smaller firing ranges (7.62 x 51 mm 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;
- Trace visibility up to 1500 meters;
- No weapon modification or conversion kit required;
- Compliant with NATO Small Caliber MOPI.

