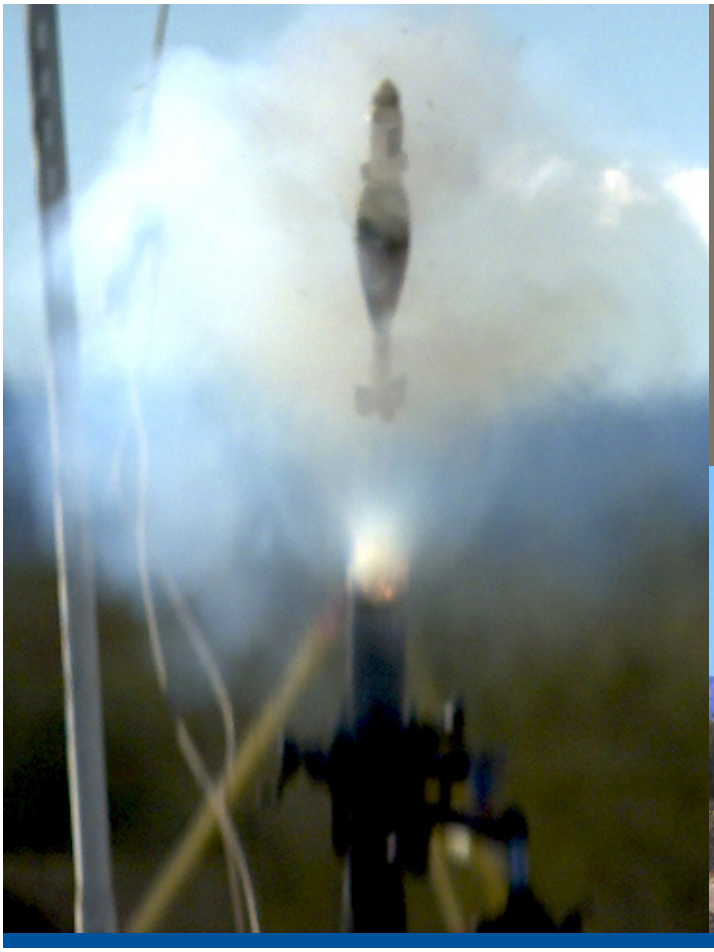


81MM RCGM

Roll Controlled Guided Mortar

Affordable Precision for the Front Line

In today and tomorrow's conflicts there is a greater need for increased precision and reduced collateral damage.

General Dynamics is proud to announce an affordable, flexible solution to this problem. We have developed and successfully demonstrated a precision 81mm mortar based around the current U.S. M252 mortar.

In 2012 a tactical demonstration of 16 live rounds was completed, achieving CEP of less than five meters at ranges from 980 to 4000 meters.

Benefits of 81mm RCGM

- Can be fired from the existing UK L16 and US M252 weapon systems
- Multi-mode fuze (proximity, point detonate, delay)
- Portable GPS setter developed under ONR sponsorship
- 75% RCGM components in production and combat proven
- Demonstrated at cold, ambient and hot storage temperatures
- Portable precision munition for the infantry
- Ready for qualification based on user requirements

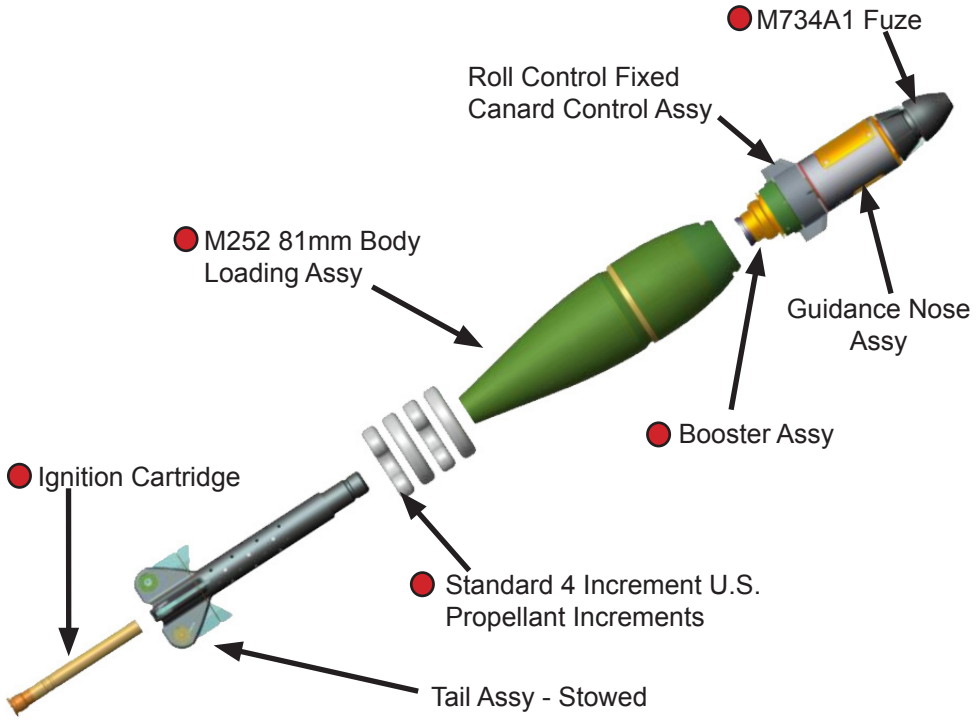
THE PRECISION SOLUTION
RCGM
AFFORDABLE GUIDANCE

GENERAL DYNAMICS
Ordnance and Tactical Systems

Approved for public release 6/7/2012

81MM ROLL CONTROLLED GUIDED MORTAR (RCGM)

Affordable Precision for the Front Line



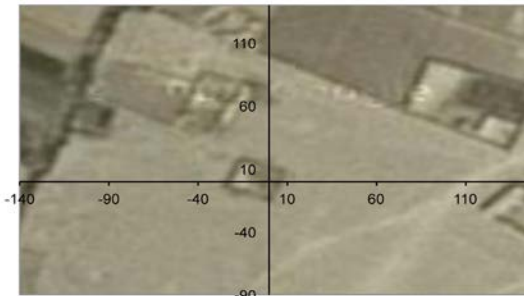
Item in current service

How the RCGM Works:

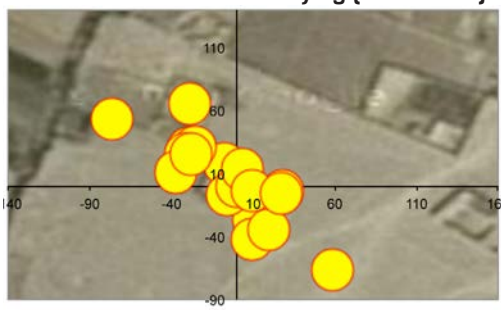
Target coordinates are programed into the RCGM using a portable GPS setter. The fuze is set manually to proximity, point detonate, or delay modes. Once the mortar is launched the on-board GPS acquires satellites and determines the mortar's position and vertical reference (up). Based on continuous GPS updates, the auto-pilot calculates corrections and sends commands to the canards to continuously maneuver the mortar toward the target. Upon impact the mortar detonates in the desired mode.

Rounds to Defeat Compound at 3.7km Range

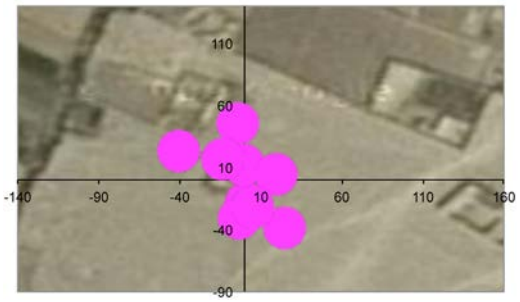
Enemy Compound



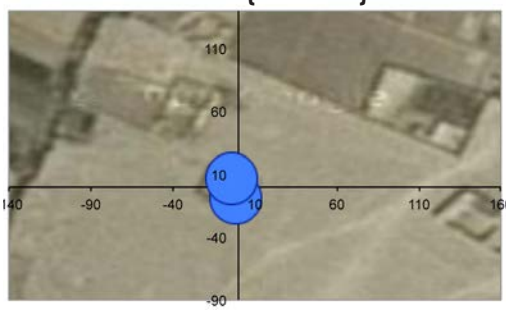
Standard Conventional Laying (18 rounds)



Good Conventional Laying (10 rounds)



RCGM (2 rounds)



Affordable Precision for the Front Line

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