



BALL POWDER® PROPELLANTS

60mm, 81mm and 120mm Mortar Increments



General Dynamics Ordnance and Tactical Systems is the leading manufacturer of propellants for U.S. 60mm, 81mm and 120mm Mortar Systems. These propellants are flash-suppressed and clean burning resulting in minimum residue, flash and blast overpressure. The superior flow characteristics of these BALL POWDER® Propellants enhance efficiency and accuracy of loading operations. The combination of low cost and superior performance make our propellants the choice of the U.S. Government. Experience in the manufacture and development of mortar propellants allows us to tailor these propellants to meet specific customer needs.



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- **WC 815** (Military Designation-M38) is a BALL POWDER® Propellant patterned after the design of WC 819 for use in the U.S. 60mm mortar ammunition family. During qualification testing, it met all performance requirements of the 60mm system at a reduced charge weight over existing propellant.

- **WC 816** (Military Designation-M48) is a newly developed and qualified BALL POWDER® Propellant for an improved ignition cartridge being implemented in the U.S. 120mm mortar ammunition family. In combination with new ignition cartridge design, WC 816 results in significant reductions in ignition cartridge residue over alternative designs.

- **WC 819** (Military Designation-M38) is a BALL POWDER® Propellant specifically designed to meet the ballistic requirements of the U.S. 81mm mortar ammunition family. Since its qualification in 1985, WC 819 has been the propellant of choice for all U.S. 81mm mortar ammunition.

- **WC 863** (Military Designation-M47) is a newly developed and qualified BALL POWDER® Propellant for the U.S. 120mm mortar ammunition family. It is currently the propellant of choice for the U.S. Government due to the significant reductions in residue demonstrated over alternative propellants.



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