



BALL POWDER® Propellants

Innovative Technology for the 21st Century Military



Few defense companies can claim a pedigree as distinguished as that of General Dynamics Ordnance and Tactical Systems. Quality propellants have been supplied to the armed forces of the United States and its allies since 1914. Today, General Dynamics Ordnance and Tactical Systems continues the legacy as a U.S. leader in propellant technology, currently offering over 200 types of propellants.

Over 99% of all U.S. military small arms ammunition are loaded with our propellants. In addition, General Dynamics Ordnance and Tactical Systems' propellants are qualified for use on all current U.S. military medium caliber rounds. Our propellants are also the choice for 60mm, 81mm and 120mm mortar systems. Innovative technologies, such as HDPC (High Density Propelling Charges), and REACH compliant propellants are available for all calibers.



BALL POWDER® Propellants



Military BALL POWDER® Propellants listed in order of burn rate

Powder Designation	Cartridge	Powder Designation	Cartridge
SPI	Igniter Artillery	WC 856	.50 Cal. SLAP M903, SLAP-Tracer M962
OBP® 126	.50 Cal. Blank M1A1	WC 857	.50 Cal. Tracer M17
SMP® 545	5.56mm Grenade Launcher	WC 858	20mm HPT M54
WC 814	5.56mm Blank M200	WC 859	20mm Phalanx MK149
WC 818	7.62mm Blank M82	WC 860	.50 Cal. Ball M33
WC 815	60mm Mortar	WC 862	.50 Cal. Ball NATO
WC 819	81mm Mortar	WC 860 + CaCO ₃	.50 Cal. Ball M33
WPR® 260	5.56mm SRTA M862	SMP® 860	.50 Cal. Ball M33
WPR® 270	9mm NATO HPT	WC 863	120mm Mortar Main Charge
WPR® 289	9mm NATO M882	WC 864	155mm MACS Igniter
WPR® 293	9mm Subsonic	WC 866	20mm PIVAD M940
WC 294	25mm Air Burst	WC 867	20mm MPC PGU 28/B
WC 687	7.62 x 39mm Ball	WC 868	20mm Improved PGU 28/B
WC 816	120mm Mortar Igniter Propellant	WC 869	25mm M910 TPDS-T
WC 827	7.62mm SLAP M948, SLAP-Tracer M959	WC 872	20mm TP M55, HEI M56
SMP® 842	5.56mm Non-toxic	SHP® 831	25mm M919 and 105mm XM350 Low Zone
SMP® 843	5.56mm Carbine	WC 886	25mm M791 APDS-T
WC 844	5.56mm Ball M193 & M855, Tracer M196	OBP® 888	20mm ELC
WC 844T	5.56mm Tracer M856	WC 890	25mm HEI-T M792, TP-T M793
WCR® 845	5.56mm Ball M855, Tracer M856, M995	SMP® 795	25mm APEX
WC 846	7.62mm Ball M80, Tracer M62	SHP® 832	30mm GAU/8A TP PGU15, API PGU14, API GU13
WC 846S	7.62mm Ball M80, Tracer M62	SMP® 992	155mm MACS Decoppering Pellets
WC 846 + CaCO ₃	7.62mm Ball M80	SHP® 923	120mm IM HE-T
SMP® 744	7.62mm Ball M80	SHP® 941	5" Navy
SMP® 849	7.62mm M80A1	SHP® 944	155mm AGS
WC 855	30mm AAH TP M788, HEDP M789	SHP® 947	105mm XM350 Mid-Zone
SMP® 855	30mm AAH TP M788, HEDP M789	SHP® 948	105mm XM350 High-Zone