

DIRECT FIRE AMMUNITION
HANDBOOK

Project Manager
PM

Reliable, Precise, Lethal

Maneuver Ammunition Systems
MAS

2025

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OUR MISSION

As the single manager for direct fire conventional ammunition, PM MAS develops and produces ammunition to provide joint and allied warfighters to provide lethality overmatch.

OUR VISION

Innovative and dedicated hard-working professionals ensuring our Warfighters prevail in battle and return home safely.

Enclosed ammunition rounds are not to scale

PROJECT MANAGER MANEUVER AMMUNITION SYSTEMS

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SMALL CALIBER AMMUNITION

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5.56mm

SMALL CALIBER AMMUNITION



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M855

Ball

SYSTEM CHARACTERISTICS

HEIGHT	2.25 in
WEIGHT	190 gr
VELOCITY	3020 ft/s @ 78 ft
DISPERSION	≤ 6.3 in @ 600 yd

ADDITIONAL FACTS

- Designed for use in M4, M4A1, M16A2, and M249 Squad Automatic
- Unsuitable for use in M16A1
- Steel insert effective against most types of fabric body armor
- Three piece construction achieves good effects against unprotected personnel targets



M856

Trace

SYSTEM CHARACTERISTICS

HEIGHT	2.25 in
WEIGHT	189 gr
VELOCITY	3010 ft/s @ 78 ft
DISPERSION	≤ 10.3 in @ 600 yd

ADDITIONAL FACTS

- Designed as a complement to M855 Ball for M249 SAW
- Requires 1:7 barrel twist for flight stability
- Unsuitable for use in M16A1



DODIC	NAME	WEAPON
A059	Ball M855, Clipped	M4, M4A1, M16A2/A4
A062	Ball M855 w/M27 Link	M249 SAW
AB76	4 Ball M855/1 Trace M856A1 w/M27 Link	M249 SAW

DODIC	NAME	WEAPON
A063	Trace M856	M4, M4A1, M16A2/A4

M193

Ball

SYSTEM CHARACTERISTICS

HEIGHT	2.25 in
WEIGHT	182 gr
VELOCITY	3140 ft/s @ 78 ft
DISPERSION	≤ 6.3 in @ 200 yd

ADDITIONAL FACTS

- M193 Ball designed during original M16 development program and is suitable for use in M16A1
- Can be safely used in M16A2 and newer weapons, but will not perform at its optimal level due to their barrel twist rate
- Effective against unprotected personnel



M200

Blank

SYSTEM CHARACTERISTICS

HEIGHT	1.90 in
WEIGHT	107 gr
VELOCITY	N/A

ADDITIONAL FACTS

- For use in all US 5.56mm weapons
- Training unique round; not used in combat
- Used to simulate live firing in training exercises
- Cycles operating parts of gas-operated weapons when used with appropriate Blank Firing Adapter (BFA)
- Used for ceremonial purposes without a BFA by manually cycling weapon



DODIC	NAME	WEAPON
A071	Ball M193, Clipped	M16, M16A1

DODIC	NAME	WEAPON
A075	Blank M200 w/M27 Link	M249 SAW
A080	Blank M200 (Carton Pack)	M4, M4A1, M16A2/A4

M995 AP

Armor Piercing

SYSTEM CHARACTERISTICS

HEIGHT	2.25 in
WEIGHT	189 gr
VELOCITY	3020 ft/s @ 78 ft
DISPERSION	≤ 7.0 in @ 600 yd

ADDITIONAL FACTS

- Penetrates 12 mm of steel at 100 m
- Designed to defeat light armored vehicles and other barrier materials on battlefield



M855A1 EPR

Enhanced Performance Round

SYSTEM CHARACTERISTICS

HEIGHT	2.25 in
WEIGHT	191 gr
VELOCITY	3070 ft/s @ 78 ft
DISPERSION	≤ 6.3 in @ 600 yd

ADDITIONAL FACTS

- Optimized for M4, M4A1 Carbine; unsuitable for M16A1
- Dramatically improved hard target performance
- Provides consistent effects against soft targets
- No weight increase, flash reduced, higher velocity
- Extremely effective against ALL target sets (general purpose round)



DODIC	NAME	WEAPON
AA02	4 AP M995/1 Trace M856 w/M27 Link	M249 SAW
AA69	AP M995, Clipped	M4, M4A1, M16A2/A4
AB75	4 AP M995/1 Trace M856A1 w/M27 Link	M249 SAW

DODIC	NAME	WEAPON
AB56	Ball 855A1 w/M27 Link	M249 SAW
AB57	Ball 855A1, Clipped	M4, M4A1, M16A2/A4
AB58	Ball 855A1, Clipped (Commercial Pack)	M4, M4A1, M16A2/A4
AB73	4 Ball M855A1/1 Trace M856A1	M249 SAW
AB77	Ball 855A1, Clipped (without Bandoaler)	M4, M4A1, M16A2/A4

M856A1

Trace

SYSTEM CHARACTERISTICS

HEIGHT	2.25 in
WEIGHT	183 gr
VELOCITY	3100 ft/s @ 78 ft
DISPERSION	≤ 10.3 in @ 600 yd

ADDITIONAL FACTS

- Designed to accompany ballistics of M855A1 EPR cartridge and "trace" intended path relative to target in order to make corrections to aim
- Like other trace designs, a pyrotechnic mix is located in rear of bullet, which allows bullet to be tracked visually when fired
- M856A1 cartridge, like M856, is identified by an orange water-based acrylic coated tip; same visual appearance to user in field as the current M856



M862 SRTA

Short Range Training Ammunition

SYSTEM CHARACTERISTICS

HEIGHT	2.03 in
WEIGHT	108 gr
VELOCITY	4356 ft/s @ 15 ft
DISPERSION	Mean radius ≤ 1.1 in @ 25 m

ADDITIONAL FACTS

- 5.56mm cartridge with plastic projectile
- Used with M2 Training Bolt
- Simulates standard 5.56mm ammo out to 25 m
- Designed for use in range restricted urban training areas (alternative to M193/M855 service rounds)
- Maximum range: 250 m
- Reduction in overall cost of training
- Reduced damage to MOUT facilities



DODIC	NAME	WEAPON
AB73	4 Ball M855A1/1 Trace M856A1 w/M27 Link	M249 SAW
AB74	Trace M856A1 (Carton Pack)	M4, M4A1, M16A2/A4
AB75	4 AP M995/1 Trace M856A1 w/M27 Link	M249 SAW
AB76	4 Ball M855/1 Trace M856A1 w/M27 Link	M249 SAW

DODIC	NAME	WEAPON
AA68	SRTA M862 (Carton Pack)	M4, M4A1, M16A2/A4 with Training Bolt

M1037 SRTA

Short Range Training Ammunition

SYSTEM CHARACTERISTICS

HEIGHT	2.20 in
WEIGHT	165 gr
VELOCITY	2605 ft/s @ 78 ft
DISPERSION	≤ 3.5 in @ 110 yd

ADDITIONAL FACTS

- Decreases Surface Danger Zones
- Effective for training out to 100 m
- Maximum range of less than 600 m
- Mean radius of 4.9 cm @ 100 m
- Bullet materials: copper, nylon, carbon fiber
- Non-toxic and lead free
- Cartridge case: standard NATO 5.56mm x 45mm
- **NOT FOR USE with M2 Training Bolt**
- **NOT FOR USE in plywood shoothouses**



MK311

Frangible Ammunition

SYSTEM CHARACTERISTICS

HEIGHT	2.26 in
WEIGHT	175 gr
VELOCITY	2818 ft/s @ 78 ft
DISPERSION	≤ 8.8 in @ 600 yd

ADDITIONAL FACTS

- Designed for use against soft targets, close quarter battles without collateral damage, and training
- Utilizes a frangible projectile designed to disintegrate upon impact
- Minimizes over-penetration and ricochet hazards
- Lead-free cartridge
- Metal powder core projectile with polymer material and semi-jacketed design for frangibility



DODIC	NAME	WEAPON
AB66	SRTA M1037 w/M27 Link	M249 SAW
AB67	SRTA M1037, Clipped (Lead Free)	M4, M4A1, M16A2/A4
AC10	SRTA M1037 w/M27 Link (Lead Free)	M249 SAW

DODIC	NAME	WEAPON
AA40	Mk311, Clipped	M4, M4A1, M16, M16A1, M16A2/A4, M249 SAW

6.8mm

SMALL CALIBER AMMUNITION



DODIC	AMMO ROUND	PAGE
AC84	XM1186 GP	20
AC85		
AC86	XM1188 RR	21
AC87		
AC82	XM1192 Blank	22
AC83		
AC93	XM1184 SP	23
AC94		

XM1186 GP

General Purpose

SYSTEM CHARACTERISTICS

HEIGHT	2.83 in
WEIGHT	335 gr
VELOCITY	3159 ft/s @ 78 ft
DISPERSION	≤ 2.6 in @ 200 yd

ADDITIONAL FACTS

- Provides advanced performance against personnel and light materiel targets
- Bullet consists of gilded metal jacket with a copper core and exposed steel penetrator
- Cartridge case consists of brass body and steel head



XM1188 RR

Reduced Range

SYSTEM CHARACTERISTICS

HEIGHT	2.80 in
WEIGHT	328 gr
VELOCITY	3135 ft/s @ 78 ft
DISPERSION	≤ 2.6 in @ 200 yd

ADDITIONAL FACTS

- Training round for ranges with a limited range fan
- Bullet is solid copper
- Cartridge case consists of brass body and steel head



DODIC	NAME	WEAPON
AC84	GP XM1186 (Carton Pack)	XM7 Rifle
AC85	GP XM1186 with Link	XM250 Automatic Rifle

DODIC	NAME	WEAPON
AC86	RR XM1188 (Carton Pack)	XM7 Rifle
AC87	RR XM1188 with Link	XM250 Automatic Rifle

XM1192

Blank

SYSTEM CHARACTERISTICS

HEIGHT	2.55 in
WEIGHT	204 gr
VELOCITY	N/A

ADDITIONAL FACTS

- Intended for training use and weapon familiarization
- Cartridge case consists of brass body and steel head with no projectile
- Requires users to change the service bolt to the training bolt and install a Blank Firing Adapter (BFA), both of which are issued with each weapon as part of the Blank Firing Modification Kit (BFMK)
- Service and blank bolts will only fire their respective cartridges



XM1184 SP

Special Purpose

SYSTEM CHARACTERISTICS

HEIGHT	2.81 in
WEIGHT	Undisclosed
VELOCITY	Undisclosed
DISPERSION	Undisclosed

ADDITIONAL FACTS

- Combat cartridge to support the NGSW System Rifle/Automatic Rifle



DODIC	NAME	WEAPON
AC82	Blank XM1192 (Carton Pack)	XM7 Rifle with BFMK
AC83	Blank XM1192 with Link	XM250 Automatic Rifle with BFMK

DODIC	NAME	WEAPON
AC93	SP XM1184 with Link	XM7 Rifle
AC94	SP XM1184 (Carton Pack)	XM250 Automatic Rifle

7.62mm

SMALL CALIBER AMMUNITION



DODIC	AMMO ROUND	PAGE
A111	M82 Blank	26
A112		
AB72	M82A1 Ceremonial Blank	27
A122	M80 Ball	28
A130		
A143		
A164		
A131	M80 Ball/M62 Trace	29
A165		
A168		
A151	M80/M62 Overhead Fire	30
A255	M80 Ball/M276 Dim Trace	31
A257		
AA04	M993 Armor Piercing	32
AA11	M118 Ball Long Range	33
AB79	M80A1/M62A1 Trace	34
AB82		
AB86		
AB88		
AB89	M1158 Advanced Armor Piercing/M62A1 Trace	36
AC09		
AC35	M973/M974 SRTA Trace	37
AA37		
AB60		

M82

Blank

SYSTEM CHARACTERISTICS

HEIGHT	2.60 in
WEIGHT	235 gr
VELOCITY	N/A

ADDITIONAL FACTS

- Training unique round; not used in combat
- Identified by absence of bullet and fluted rosette crimp at mouth
- Used to simulate live firing in training exercises



M821A1

Ceremonial Blank

SYSTEM CHARACTERISTICS

HEIGHT	2.62 in
WEIGHT	235 gr
VELOCITY	N/A

ADDITIONAL FACTS

- Used for saluting for ceremonial applications (M14 rifle)



DODIC	NAME	WEAPON
A111	Blank M82 w/M13 Link	M240 Series Machine Guns
A112	Blank M82, Single Round (Carton Pack)	M14 Rifles

DODIC	NAME	WEAPON
AB72	Blank M82A1, Bottlenose	M14 Rifles

M80

Ball

SYSTEM CHARACTERISTICS

HEIGHT	2.80 in
WEIGHT	392 gr
VELOCITY	2750 ft/s @ 78 ft
DISPERSION	Mean radius ≤ 7.5 in @ 600 yd

ADDITIONAL FACTS

- Linked straight ball M80 configuration—100 rounds per belt
- Bullet consists of copper alloy clad steel or copper alloy jacket with lead antimony slug



M80 / M62

Ball / Trace

SYSTEM CHARACTERISTICS

HEIGHT		2.80 in
WEIGHT	M80	392 gr
	M62	383 gr
VELOCITY	M80	2750 ft/s @ 78 ft
	M62	2670 ft/s @ 78 ft
DISPERSION	M80	Mean radius ≤ 7.5 in @ 600 yd
	M62	Mean radius ≤ 15.0 in @ 600 yd

ADDITIONAL FACTS

- 4 M80 Ball/1 M62 Trace cartridges are linked configuration—100 rounds per belt
- Bullet consists of copper alloy clad steel or copper alloy jacket with lead antimony slug



DODIC	NAME	WEAPON
A122	Ball M80, Single Round (Carton Pack)	M14 Rifles
A130	Ball M80, Clipped (5/Clip)	M14 Rifles
A143	Ball M80 w/M13 Link	M240 Series Machine Guns
A164	Ball M80 w/M13 Link	M134 Minigun, M240 Series Machine Guns

DODIC	NAME	WEAPON
A131	4 Ball M80/1 Trace M62 w/M13 Link	M240 Series Machine Guns
A165	4 Ball M80/1 Trace M62 w/M13 Link	M134 Minigun, M240 Series Machine Guns
A168	9 Ball M80/1 Trace M62 w/M13 Link	M134 Minigun, M240 Series Machine Guns

M80 / M62

Overhead Fire

SYSTEM CHARACTERISTICS

HEIGHT		2.80 in
WEIGHT	M80	392 gr
	M62	383 gr
VELOCITY	M80	2750 ft/s @ 78 ft
	M62	2670 ft/s @ 78 ft
DISPERSION	M80	Mean radius ≤ 7.5 in @ 600 yd
	M62	Mean radius ≤ 15.0 in @ 600 yd

ADDITIONAL FACTS

- Designed for overhead fire training; does not contain a base closure disk and is limited to a copper alloy jacket that is less prone to stripping to improve safety
- Can also be used for combat
- 4 M80 Ball/1 M62 Trace cartridges are linked configuration—100 rounds per belt
- Bullet consists of a copper alloy jacket with lead antimony slug



M80 / M276

Ball / Dim Trace

SYSTEM CHARACTERISTICS

HEIGHT		2.80 in
WEIGHT	M80	392 gr
	M276	381 gr
VELOCITY	M80	2750 ft/s @ 78 ft
	M276	2670 ft/s @ 78 ft
DISPERSION	M80	Mean radius ≤ 7.5 in @ 600 yd
	M276	Mean radius ≤ 15.0 in @ 600 yd

ADDITIONAL FACTS

- Used for combat and training
- Dim Trace rounds are only visible with night vision goggles
- 4 M80 FS/1 M276 Dim Trace cartridges are linked configuration—100 rounds per belt
- Bullet consists of copper alloy clad steel or copper alloy jacket with lead antimony slug



DODIC	NAME	WEAPON
A151	4 Ball M80/1 Trace M62 w/M13 Link f/OHF	M240 Series Machine Guns

DODIC	NAME	WEAPON
A255	4 Ball M80/1 Dim Trace M276 w/M13 Link	M240 Series Machine Guns, M134 Minigun
A257	9 Ball M80/1 Dim Trace M276 w/M13 Link	M240 Series Machine Guns, M134 Minigun

M993 AP

Armor Piercing

SYSTEM CHARACTERISTICS

HEIGHT	2.80 in
WEIGHT	263 gr
VELOCITY	2985 ft/s @ 78 ft
DISPERSION	Mean radius $\leq$ 6.0 in @ 600 yd

ADDITIONAL FACTS

- Designed for use in M24 Rifle, M240 Series Machine Guns
- Consists of a tungsten carbide penetrator contained in an aluminum cup and jacketed by copper clad steel
- Provides enhanced armor penetration
- Capable of penetrating .75" armor plate at distance not greater than 100 m
- Capable of penetrating .25" plate at distance of 550 m



M118

Ball Long Range

SYSTEM CHARACTERISTICS

HEIGHT	2.83 in
WEIGHT	390 gr
VELOCITY	2575 ft/s @ 78 ft
DISPERSION	Extreme spread 10.3 in horiz/ 14 in vert @ 1000 yd

ADDITIONAL FACTS

- Intended and specifically prepared for use in weapons designated as competition or sniper rifles
- Extended long range accuracy at 1000 yd
- Does not have bullet cannelure; case mouth not crimped



DODIC	NAME	WEAPON
AA04	4 AP M993/1 Trace M62 w/ M13 Link	M240 Series Machine Guns, M134 Minigun

DODIC	NAME	WEAPON
AA11	Ball M118, Long Range	M14, M24, M110, M40 USMC Series Rifles

M80A1 / M62A1 (cont.)

Ball / Trace

ADDITIONAL FACTS

- M62A1 companion Trace
- Provides Warfighter with improvement in hard/soft target performance while eliminating 350 metric tons of lead annually from training ranges
- 7.62mm Ball Cartridge used in M240 Machine Gun Family, M134, M110, M14/EBR EPR style projectile similar to 5.56mm M855A1 exposed steel penetrator copper core with jacket
- Lead-free projectile
- Primary 7.62mm combat cartridge
- 4 M80A1 Ball/1 M62A1 Trace cartridges are linked configuration—100 rounds per belt
- Bullet consists of gilded metal jacket with a copper core and exposed steel penetrator

M80A1 / M62A1

Ball / Trace

SYSTEM CHARACTERISTICS

HEIGHT		2.80 in
WEIGHT		374 gr
VELOCITY	M80A1	2925 ft/s @ 78 ft
	M62A1	2895 ft/s @ 78 ft
DISPERSION	M80A1	Mean radius ≤ 6.5 in @ 600 yd
	M62A1	Mean radius ≤ 15.0 in @ 600 yd



DODIC	NAME	WEAPON
AB79	Ball M80A1 w/ M13 Link	M240 Series Machine Guns
AB82	Ball M80A1 (Carton Packed)	M14 Rifles
AB86	4 Ball M80A1/1 Trace M62A1 w/M13 Link	M240 Series Machine Guns
AB88	4 Ball M80A1/1 Trace M62A1 w/M13 Link (750 Round Belt)	M134 Minigun
AB89	9 Ball M80A1/1 Trace M62A1 w/M13 Link (750 Round Belt)	M134 Minigun

M1158 ADVAP / M62A1

Advanced Armor Piercing / Trace

SYSTEM CHARACTERISTICS*

HEIGHT	2.80 in
WEIGHT*	374 gr
VELOCITY*	2895 ft/s @ 78 ft
DISPERSION*	Mean radius $\leq$ 15.0 in @ 600 yd

*M1158 ADVAP CHARACTERISTICS ARE UNDISCLOSED; TABLE ONLY INCLUDES CHARACTERISTICS FOR M62A1

ADDITIONAL FACTS

- M1158 is an Advanced Armor Piercing (ADVAP) projectile with an exposed metal penetrator
- The M1158 cartridge is designed to defeat protected peer/near-peer threats
- The M1158 has a Security Risk Category Level 2 (SRC 2) designation



M973 SRТА / M974 SRТА-T

Short Range Training Ammunition / Trace

SYSTEM CHARACTERISTICS

HEIGHT	2.63 in
WEIGHT	300 gr
VELOCITY	2729 ft/s @ 78 ft
DISPERSION	Mean radius $\leq$ 3.1 in @ 109 yd

ADDITIONAL FACTS

- Projectile design: composite material with front fins
- Short range training 4 SRТА/1 SRТА-T linked
- Ballistic match out to 100 m (simulates M80 Ball)
- Maximum range of 600 m
- No weapon modification required for function
- Frangible projectile to minimize damage to MOUT training sites and reduce ricochet hazard



DODIC	NAME	WEAPON
AC09	4 ADVAP M1158/1 M62A1 Trace w/M13 Link	M240 Series Machine Gun
AC35	ADVAP M1158, Clipped (10/Clip)	M110 Squad Designated Marksman Rifle

DODIC	NAME	WEAPON
AA37	4 Ball M973/1 Trace M974 w/M13 Link	M240 Series Machine Gun
AB60	M793 w/M13 Linked	M240 Series Machine Gun

.50 caliber

SMALL CALIBER AMMUNITION



DODIC	AMMO ROUND	PAGE
A555	M33 Ball	40
A557	M33Ball/M17 Trace	41
A576	M8 API/M20 API-T	42
A598	M1A1 Blank	43
A606	MK211 MP Mod 0	44
A607	MK211 Mod 1/M20 API-T	45
AB30	M8 API/MK257 API Dim Trace	46
A518	M903 SLAP/M962 SLAP	47
AA38		
A602	M858 SRTA/M860 SRTA Trace	48

M33

Ball

SYSTEM CHARACTERISTICS

HEIGHT	5.45 in
WEIGHT	1782 gr
VELOCITY	2905 ft/s @ 78 ft
DISPERSION	Mean radius $\leq$ 12.0 in @ 600 yd

ADDITIONAL FACTS

- Soft steel core bullet mainly used for training
- Linked into 100 round belts
- Packaged 1 belt to 1 M2A2 can; 2 cans per box
- Adopted and made by 30 countries, including U.S., Britain, Canada, France, Belgium, Israel, Netherlands, Japan, Singapore, and Taiwan



M33 / M17

Ball / Trace

SYSTEM CHARACTERISTICS

HEIGHT		5.45 in
WEIGHT	M33	1782 gr
	M17	1718 gr
VELOCITY		2905 ft/s @ 78 ft
DISPERSION		Mean radius $\leq$ 12.0 in @ 600 yd

ADDITIONAL FACTS

- Intended for use on full-sized ranges and produced to meet US military specification
- M33 has plain bullet tip
- M17 has brown bullet tip
- Produces red Trace; used against unarmored agents



DODIC	NAME	WEAPON
A555	Ball M33 w/M9 Link	M2, M2A1, M3 Machine Gun

DODIC	NAME	WEAPON
A557	4 Ball M33/1 Trace M17 w/M9 Link	M2/M3 Machine Gun

M8 API / M20 API-T

Armor Piercing Incendiary / Trace

SYSTEM CHARACTERISTICS

HEIGHT		5.45 in
WEIGHT	M8	1785 gr
	M20	1718 gr
VELOCITY		2905 ft/s @ 78 ft
DISPERSION		Average maximum mean radius ≤ 12.0 in @ 600 yd

ADDITIONAL FACTS

- Designed to perforate or penetrate hardened or bullet-resistant targets with after armor effects
- Used against armored personnel vehicles
- M8 identified by gray bullet tip
- M20 identified by red over gray bullet tip
- Steel alloy core, point filler of incendiary composition, and lead-antimony (M8) copper alloy base seal



M1A1

Blank

SYSTEM CHARACTERISTICS

HEIGHT	3.91 in
WEIGHT	940 gr
VELOCITY	N/A

ADDITIONAL FACTS

- .50 caliber training round for simulated fire
- Identified by absence of bullet and 6 fluted rosette crimp at mouth
- Operates with M2, M2A1, and M3 Machine Gun using the M19 Blank Firing Attachment (BFA)



DODIC	NAME	WEAPON
A576	4 API M8/1 API-T M20 w/M9 Link	M2, M2A1, M3 Machine Gun

DODIC	NAME	WEAPON
A598	Blank M1A1 w/M9 Link	M2, M2A1, M3 Machine Guns

MK211

Multi Purpose Mod 0

SYSTEM CHARACTERISTICS

HEIGHT	5.45 in
WEIGHT	1765 gr
VELOCITY	2905 ft/s @ 78 ft
DISPERSION	Mean radius Mod 0 ≤ 6.0 in @ 600 yd

ADDITIONAL FACTS

- Designed to perforate or penetrate hardened or bullet resistant targets
- Used against armored personnel vehicles
- High explosive, armor piercing incendiary projectile
- Identified with green bullet tip with aluminum color annulus



MK211 / M20 API-T

Mod 1 / Armor Piercing Incendiary-Trace

SYSTEM CHARACTERISTICS

HEIGHT		5.45 in
WEIGHT	MK211	1765 gr
	M20	1718 gr
VELOCITY		2905 ft/s @ 78 ft
DISPERSION		Mean radius ≤ 12.0 in @ 600 yd

ADDITIONAL FACTS

- Designed to perforate or penetrate hardened or bullet resistant targets with after armor effects
- Used against armored personnel vehicles
- Effective at starting fuel fires, including heavy distillates
- High explosive with incendiary
- MK211 identified with green bullet tip with aluminum color annulus
- M20 identified by red over gray bullet tip



DODIC	NAME	WEAPON
A606	MK211 Mod 0 Multi Purpose Sniper Round (Bulk Pack)	M107, M82, Sniper Rifles

DODIC	NAME	WEAPON
A607	4 MK211/1 API-T M20 w/ M9 Link	M2, M2A1, M3 Machine Guns

M8 API / MK257

Armor Piercing Incendiary / Dim Trace

SYSTEM CHARACTERISTICS

HEIGHT		5.45 in
WEIGHT	M8	1785 gr
	MK257	1718 gr
VELOCITY		2905 ft/s @ 78 ft
DISPERSION		Mean radius $\leq$ 12.0 in @ 600 yd

ADDITIONAL FACTS

- Designed to perforate or penetrate hardened or bullet resistant targets with armor effects
- Used against armored personnel vehicles
- M8 identified by gray bullet tip
- MK257 identified by lavender over gray bullet tip
- Steel alloy core, point filler of incendiary composition, and lead antimony (M8) copper alloy (MK257) base seal
- Trace is visible only in IR spectrum using night vision devices



M903 SLAP / M962 SLAP-T

Saboted Light Armor Penetrator / Trace

SYSTEM CHARACTERISTICS

HEIGHT	5.45 in
WEIGHT	1466 gr
VELOCITY	4000 ft/s @ 78 ft
DISPERSION	Mean radius $\leq$ 18.0 in @ 600 yd

ADDITIONAL FACTS

- Conical tungsten projectile with sabot
- M903 SLAP: Amber Sabot
- M962 SLAP-T: Red Sabot
- Incorporates improved penetrator, sabot, and propulsion systems
- Linked into 100 round belts bullet tip



DODIC	NAME	WEAPON
AB30	4 API M8/1API Dim Trace MK257 w/M9 Link	M2, M2A1, M3 Machine Guns

DODIC	NAME	WEAPON
A518	4 SLAP M903/1 SLAP Trace M962	M2, M2A1, M3 Machine Guns
AA38	Cal .50 M962 Tank Trainer	M2, M2A1, M3 Machine Guns

/ NOTES /

M858 SRTA / M860 SRTA - T

Short Range Training Ammunition

SYSTEM CHARACTERISTICS

HEIGHT	5.21 in
WEIGHT	460 gr
VELOCITY	2790 ft/s @ 78 ft
DISPERSION	Mean radius $\leq$ 12.0 in @ 164 yd

ADDITIONAL FACTS

- Accuracy match to M33/M17 at 150m
- Useful tool in instruction of M2, M2A1, M3 Machine Gun in range-restricted areas as well as MOUT application
- Maximum range of 500 m allowing higher capacity of training on smaller ranges
- Ideal for training with M2 on vehicular mount and tripod



DODIC	NAME	WEAPON
A602	4 SRTA M858/1 SRTA-T M860	M2, M2A1, M3 Machine Gun with Recoil Amplifier

Miscellaneous

SMALL CALIBER AMMUNITION



DODIC	AMMO ROUND	PAGE
A363	M882 Ball	52
AA49		
AC21	M1153 SP	53
AC23		
AC20	M1152 Ball	54
AC22		
AC60	M1157 Blank	55
A010	M220 Blank	56
A011/14/17	Ctg 12 Gauge	57
AA54	M1030 Breaching Round	58
AC32	M1162 AP/M1163 Norma Magnum	59
AC33		
AC24	DDI	60
AB46/47/48		
AC98/99		
AB36		
AC36/37/38	M1041 CCMCK	61
AC39/40/41	M1042 CCMCK	
AC42/43/44	M1071 CCMCK	
A191	MK248 Mod 0 Ball	62
A091	.22 Cal Ball	63

M882

9mm Ball Pistol Ammunition

SYSTEM CHARACTERISTICS

HEIGHT	1.17 in
WEIGHT	190 gr
VELOCITY	1230 ft/s @ 15 ft
DISPERSION	Mean radius ≤ 1.5 in @ 50 yd

ADDITIONAL FACTS

- Used for training/force protection
- Compatible with all NATO 9mm weapons



M1153 SP

9mm Jacketed Hollow Point

SYSTEM CHARACTERISTICS

HEIGHT	1.13 in
WEIGHT	210 gr
VELOCITY	990 ft/s @ 15 ft
DISPERSION	Mean radius ≤ 1.1 in @ 50 yd

ADDITIONAL FACTS

- Used in situation where high lethality and limited over-penetration of targets are necessary to meet mission profiles
- Critical to provide user with means to rapidly incapacitate in situations warranting use of deadly force
- Increased lethality
- Reduced over-penetration of personnel targets



DODIC	NAME	WEAPON
A363	9mm Ball M882 (Military Pack)	M9 Pistol, M11, MP5
AA49	9mm Ball M882 (Commercial Pack)	M9 Pistol, M11, MP5

DODIC	NAME	WEAPON
AC21	9mm Special Purpose M1153 (Military Pack)	M17, M18 Pistols, APC9K Submachine Gun
AC23	9mm Special Purpose M1153 (Commercial Pack)	M17, M18 Pistols, APC9K Submachine Gun

M1152

9mm Ball Pistol Ammunition

SYSTEM CHARACTERISTICS

HEIGHT	1.13 in
WEIGHT	179 gr
VELOCITY	1300 ft/s @ 15 ft
DISPERSION	Mean radius $\leq$ 1.1 in @ 50 yd

ADDITIONAL FACTS

- Used for training/force protection



M1157

9mm Blank Pistol Ammunition

SYSTEM CHARACTERISTICS

HEIGHT	1.11 in
WEIGHT	210 gr
VELOCITY	N/A

ADDITIONAL FACTS

- Utilized during K9 Military Dog training
- Utilized during Soldier training
- Blank cartridge requires Blank Firing Conversion Kit
- Creates an audible report of 160-175 dB



DODIC	NAME	WEAPON
AC20	9mm Ball M1152 (Military Pack)	M17, M18 Pistols
AC22	9mm Ball M1152 (Commercial Pack)	M17, M18 Pistols

DODIC	NAME	WEAPON
AC60	9mm Blank M1157 (Military Pack)	M17, M18 Pistols with Blank Firing Conversion Kit

CTG 12 GAUGE

Buckshot, Commercial

SYSTEM CHARACTERISTICS

HEIGHT	2.53 in
WEIGHT	13 gr
VELOCITY	1325 ft/s @ 3 ft

ADDITIONAL FACTS

- Cartridge case plastic, loaded with smokeless powder and commercial shot
- Red case replaced with olive drab color case for improved camouflage capability
- Propellant: smokeless powder
- Chamber pressure: 11,000 psi



DODIC	NAME	WEAPON
A011	Ctg. 12 Gauge #00 Buckshot (Military Pack)	Mossberg 590 Shotgun, Remington 870 Shotgun
A014	Ctg. 12 Gauge #7.5 Buckshot (Military Pack)	Mossberg 590 Shotgun, Remington 870 Shotgun
A017	Ctg. 12 Gauge #9 Buckshot (Military Pack)	Mossberg 590 Shotgun, Remington 870 Shotgun

M220

10 Gauge Blank Cartridge

SYSTEM CHARACTERISTICS

HEIGHT	2.88 in
WEIGHT	290 gr
VELOCITY	1148 ft/s @ 3 ft

ADDITIONAL FACTS

- Used for rendering honors, funerals, retirement, or change of command ceremonies
- Blank is inserted either in a prepared cartridge case or in a breach block of the weapon being used
- Propellant is 8 g of OBP-124 powder



DODIC	NAME	WEAPON
A010	M220 Blank	3-inch guns, 75mm guns, 75mm howitzers, 105mm howitzers

M1030

12 Gauge Breaching Round

SYSTEM CHARACTERISTICS

HEIGHT	2.45 in
WEIGHT	617 gr
VELOCITY	1148 ft/s @ 3 ft

ADDITIONAL FACTS

- Used to counter threats in locked/sealed buildings
- Has capability to open a door by destruction of lock or hinge with a single round
- Low hazard, non-shrapnel-producing round
- Frangible lead free slug (42 gr) compressed zinc pallets supported by plastic wad
- Fits current standard military 12 gauge
- New dull red color replaces older multi-colored design



M1162 AP / M1163

.338 Norma Magnum Armor Piercing / .300 Norma Magnum

SYSTEM CHARACTERISTICS

HEIGHT	M1162	3.52 in
	M1163	3.62 in
WEIGHT	M1162	700 gr
	M1163	615 gr
VELOCITY	M1162	2700 ft/s @ 15 ft
	M1163	3000 ft/s @ 15 ft
DISPERSION	M80A1	Extreme spread ≤ 2.1 in @ 200 yd

ADDITIONAL FACTS

- Intended for long range sniper engagements
- Effective range is approximately 1700 m/1500 m
- 300 gr Sierra Match King bullet / 215 gr Berger Hybrid Bullet



DODIC	NAME	WEAPON
AA54	M1030 Breaching Round	Mossberg 590 Shotgun, Remington 870 Shotgun

DODIC	NAME	WEAPON
AC32	.338 Norma Magnum AP	MK22 Sniper Rifle
AC33	.300 Norma Magnum	MK22 Sniper Rifle

M1041 / M1042 / M1071

Close Combat Mission Capability Kit (CCMCK)

SYSTEM CHARACTERISTICS

WEIGHT	M1041	71.8 gr ctg., 7.7 gr projectile
	M1042	94.9 gr ctg., 6.9 gr projectile
	M1071	147.8 gr ctg., 6.9 gr projectile
VELOCITY	M1041	575 ft/s (M9), 491 ft/s (M11)
	M1042	483 ft/s (M16), 428 ft/s (M4, M4A1)
	M1071	441 ft/s (M249)
DROP	M1041	1 in drop 8 m from muzzle
	M1042	1 in drop 23 m
	M1071	1 in drop 23 m

ADDITIONAL FACTS

- CCMCK installed weapons mod system allows soldier to employ weapons at short range training using low velocity marking ammunition
- Provides environmental/weapon employment cues and target feedback through force on force, interactive live fire scenario task, and mission
- Distinct identifiable markings
- Weapon kits prevent use of service ammo



DODIC	NAME	WEAPON
AC36/37/38	M1041 9mm Yellow/Blue/Red	Pistol
AC39/40/41	M1042 5.56mm Clipped Blue/Red/ Yellow	M4, M4A1, M16A2/ A3/A4, M249 SAW
AC42/43/44	M1071 5.56mm Linked Yellow/Blue/Red	M4, M4A1, M16A2/ A3/A4, M249 SAW

DDI

Dummy, Drilled, & Inert

ADDITIONAL FACTS

- Used for weapons training and maintenance
- Solid pieces design, nickel-colored plating
- Fluted except for 9mm DDI which has holes in case
- Primer cavity in base, but no primer is inserted
- DDI SAA is completely inert; no energetics or stored energy in DDI items



DODIC	NAME	WEAPON
AC24	M1157 9mm Dummy	M17, M18 Pistols
AB46	M199A1 5.56mm Dummy	M4, M4A1, M16A2/A4, M249 SAW
AC98	XM1194 6.8mm Dummy (w/Link)	XM250 Automatic Rifle
AC99	XM1194 6.8 mm Dummy (Carton Pack)	XM7 Rifle
AB47	M63A1 7.62mm Dummy	M240 Series Machine Guns
AB48	M2A1 .50 Cal Dummy	M2A1
AB36	M2A1 .50 Cal Dummy	M2

MK248

Mod 0 Ball

SYSTEM CHARACTERISTICS

HEIGHT	3.50 in
WEIGHT	445 gr
VELOCITY	3000 ft/s @ 15 ft
DISPERSION	Extreme Spread ≤ 4.7 in @ 300 yd

ADDITIONAL FACTS

- Intended for long range sniper engagements
- Effective range is approximately 1100 m
- 190 gr Sierra Match King bullet



A091

.22 Caliber Ball

SYSTEM CHARACTERISTICS

HEIGHT	1.00 in
WEIGHT	40 gr
VELOCITY	1100 ft/s @ 15 ft
DISPERSION	Extreme spread ≤ 1.3 in @ 100 yd

ADDITIONAL FACTS

- Used in marksmanship competition
- Cartridges consist of a solid lead projectile



DODIC	NAME	WEAPON
A191	Ball .300 Win Mag Mod 0 (Carton Pack)	M2010 Enhanced Sniper Rifle

DODIC	NAME	WEAPON
A091	.22 Caliber Ball, Long Rifle, Match Grade for Rifle	Match Grade Rifles with manually operated bolt action



MEDIUM CALIBER AMMUNITION

20 & 25mm	66
30x113mm	76
30x173mm	82
High Velocity (HV) 40mm ...	90
Low Velocity (LV) 40mm	96

20 & 25mm

MEDIUM CALIBER AMMUNITION



20mm		
DODIC	AMMO ROUND	PAGE
AB07	M940 MPT-SD	68
AC34		
AC18	M55A2	69

25mm		
DODIC	AMMO ROUND	PAGE
A974	M791 APDS-T	70
A986	M919 APFSDS-T	71
A975	M792 HEI-T	72
A976	M793 TP-T	73
A967	M794 Dummy	74
A940	M910 TPDS-T	75

M940 MPT-SD

Multi-Purpose Tracer with Self Destruct

SYSTEM CHARACTERISTICS

HEIGHT	6.6 in
WEIGHT	260 g
MAX RANGE	2500 m
RATE OF FIRE	4500 spm

ADDITIONAL FACTS

- Developed to defeat aircraft—hardened design allows for penetration of aircraft or projectile before detonation
- C-RAM employs it against incoming rockets, artillery shells, and mortar rounds
- Fuzeless Pyrotechnic initiated HE cartridge
- New JUONS configuration replaces pyrotechnic with tungsten penetrators in nose for increased lethality
- Belted with MK7 link; 100 linked cartridges per M548 container



M55A2

Target Practice

SYSTEM CHARACTERISTICS

HEIGHT	6.6 in
WEIGHT	250 g
MAX RANGE	2500 m
RATE OF FIRE	4500 spm

ADDITIONAL FACTS

- Target practice cartridge used to train or test the Land-based Phalanx Weapon System
- Electrically Primed



DODIC	NAME	WEAPON
AB07	M940	Land-based Phalanx Weapon System (LPWS)
AC34	M940	Land-based Phalanx Weapon System (LPWS)

DODIC	NAME	WEAPON
AC18	M55A2	Land-based Phalanx Weapon System (LPWS)

M791 APDS-T

Armor Piercing Discarding Sabot with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	8.8 in
WEIGHT	461 g
MAX RANGE	Depends on target
RATE OF FIRE	200 spm

ADDITIONAL FACTS

- Developed to defeat light armored vehicles through BMP-2 series
- Tungsten Penetrator
- 30 linked cartridges per PA125 container
- Replaced by M919 APFSDS-T cartridge which is primary anti-materiel cartridge for US Army and USMC



M919 APFSDS-T

Armor Piercing Fin Stabilized Discarding Sabot with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	8.8 in
WEIGHT	454 g
MAX RANGE	Depends on target
RATE OF FIRE	200 spm

ADDITIONAL FACTS

- Primary anti-materiel cartridge for US Army and USMC
- Provides increased lethality against light armor threats compared to M791
- Penetrator material: Depleted Uranium
- 30 linked cartridges per PA125 container



DODIC	NAME	WEAPON
A974	M791	M242 Bushmaster Chain Gun on US Army Bradley Fighting Vehicle (BFV) and USMC LAV-25

DODIC	NAME	WEAPON
A986	M919	M242 Bushmaster Chain Gun on US Army Bradley Fighting Vehicle (BFV) and USMC LAV-25

M792 HEI-T

High Explosive Incendiary with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	8.8 in
WEIGHT	505 g
MAX RANGE	2000 m
RATE OF FIRE	200 spm

ADDITIONAL FACTS

- Tactical cartridge used to engage enemy personnel, weapon emplacements and conduct reconnaissance by fire
- Use has expanded to engagement of urban targets
- Uses M758 Point Initiated Base Detonating (PIBD) fuze which also has self-destruct feature
- 30 linked cartridges per PA125 container



M793 TP-T

Target Practice with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	8.8 in
WEIGHT	489 g
MAX RANGE	2000 m
RATE OF FIRE	200 spm

ADDITIONAL FACTS

- Low-cost target practice cartridge ballistically matched to M792
- US Army & USMC: 30 linked cartridges per PA125 container
- USN: 55 linked cartridges per CNU-405 container



DODIC	NAME	WEAPON
A975	M792	M242 Bushmaster Chain Gun on US Army Bradley Fighting Vehicle (BFV) and USMC LAV-25

DODIC	NAME	WEAPON
A976	M793	M242 Bushmaster Chain Gun on US Army Bradley Fighting Vehicle (BFV) and USMC LAV-25, Naval ships with M242 Bushmaster Chain Gun in MK38 Machine Gun Systems (MGS)

M794

Dummy

SYSTEM CHARACTERISTICS

HEIGHT	8.8 in
WEIGHT	505 g
MAX RANGE	N/A
RATE OF FIRE	N/A

ADDITIONAL FACTS

- Inert training device and maintenance tool for M242 Bushmaster Chain Gun
- Simulates size, shape, and mass of M792M793, PGU-23, PGU-25, and PGU-32
- 30 linked cartridges per PA125 container



M910 TPDS-T

Target Practice Discarding Sabot with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	8.8 in
WEIGHT	419 g
MAX RANGE	2000 m
RATE OF FIRE	200 spm

ADDITIONAL FACTS

- Low-cost target practice ballistically matched to M791 and M919
- Steel core with windscreen
- 30 linked cartridges per PA125 container



DODIC	NAME	WEAPON
A967	M794	M242 Bushmaster Chain Gun on US Army Bradley Fighting Vehicle (BFV), USMC LAV-25, MK38

DODIC	NAME	WEAPON
A940	M910	M242 Bushmaster Chain Gun on US Army Bradley Fighting Vehicle (BFV) and USMC LAV-25

30x113mm

MEDIUM CALIBER AMMUNITION



DODIC	AMMO ROUND	PAGE
B118	M788 TP	78
B129	M789 HEDP	79
B133	M848 Dummy	80

M788 TP

Target Practice

SYSTEM CHARACTERISTICS

HEIGHT	7.9 in
WEIGHT	343 g
MAX RANGE	3000 m
RATE OF FIRE	625 spm

ADDITIONAL FACTS

- Low cost target practice cartridge ballistically matched to M789
- Packed in bulk ammo strips, 11 cartridges per strip/110 cartridges per M592 container



M789 HEDP

High Explosive Dual Purpose

SYSTEM CHARACTERISTICS

HEIGHT	7.9 in
WEIGHT	339 g
MAX RANGE	3000 m
RATE OF FIRE	625 spm

ADDITIONAL FACTS

- High explosive dual purpose warhead with shaped charge provides anti-personnel and anti-materiel capabilities
- Uses M759 Point Initiating Base Detonating (PIBD) fuze
- Helicopters employ linkless ammo storage and feed systems
- Packed in bulk ammo strips, 11 cartridges per strip/110 cartridges per M592 container



DODIC	NAME	WEAPON
B118	M788	M230 Chain Gun on AH-64 Apache Attack Helicopters, 160th SOAR MH-60M Blackhawk Helicopters

DODIC	NAME	WEAPON
B129	M789	M230 Chain Gun on AH-64 Apache Attack Helicopters, 160th SOAR MH-60M Blackhawk Helicopters

M848

Dummy

SYSTEM CHARACTERISTICS

HEIGHT	7.9 in
WEIGHT	340 g
MAX RANGE	N/A
RATE OF FIRE	N/A

ADDITIONAL FACTS

- Inert training device and maintenance tool for M230 Chain Gun
- Simulates size, shape, and mass of M788 and M789
- Packed in bulk ammo strips, 11 cartridges per strip/110 cartridges per M592 container



DODIC	NAME	WEAPON
B133	M848	M230 Chain Gun on AH-64 Apache Attack Helicopters, 160th SOAR MH-60M Blackhawk Helicopters

/ NOTES /

30x173mm

MEDIUM CALIBER AMMUNITION



DODIC	AMMO ROUND	PAGE
AC27	MK238 HEI-T	84
AC25	MK239 TP-T	85
AC26	MK258 APFSDS-T	86
AC28	MK317 TPDS-T	87
AC47	MK310 PABM-T	88

MK238 Mod 1 HEI-T

High Explosive Incendiary with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	11.4 in max
WEIGHT	670 g
MAX RANGE	1800 m
RATE OF FIRE	200 spm

ADDITIONAL FACTS

- High explosive incendiary cartridge with trace fielded in support of the Stryker Lethality Operational Needs Statement (ONS)
- Uses M758 Low Drag (LD) Point Initiating Base Detonating (PIBD) fuze which has a self-destruct feature
- Mated to the cartridge case assembly which includes an aluminum case, flash tube assembly, primer, and propellant
- Employment: light armor, field fortifications, bunkers, troops



MK239 TP-T

Target Practice with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	11.4 in max
WEIGHT	675 g
MAX RANGE	2000 m
RATE OF FIRE	200 spm

ADDITIONAL FACTS

- Target practice cartridge with trace fielded in support of the Stryker Lethality Operational Needs Statement (ONS)
- Provides a low cost ballistic match to the MK238 Mod 1 HEI-T cartridge to provide the soldier with a realistic training environment
- Consists of an inert steel projectile and aluminum windscreen
- Mated to the cartridge case assembly, which is composed of an aluminum case, flash tube assembly, primer, and propellant



DODIC	NAME	WEAPON
AC27	MK238	XM813 Weapon System, naval ships with MK44 Cannon in MK46 Gun Weapon System

DODIC	NAME	WEAPON
AC25	MK239	XM813 Weapon System, naval ships with MK44 Cannon in MK46 Gun Weapon System

MK258 Mod 1 APFSDS-T

Armor Piercing Fin Stabilized Discarding Sabot with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	11.1 in max
WEIGHT	406 g
MAX RANGE	2000 m
RATE OF FIRE	200 spm

ADDITIONAL FACTS

- Armor piercing fin stabilized discarding sabot with tracer cartridge fielded in support of the Stryker Lethality Operational Needs Statement (ONS)
- Consists of steel case with Tungsten Nickel Cobalt penetrator
- Employment: medium and light armor, hardened bunkers, hardened field fortifications, penetrate walls



DODIC	NAME	WEAPON
AC26	MK258	XM813 Weapon System, naval ships with MK44 Cannon in MK46 Gun Weapon System

MK317 TPDS-T

Target Practice Discarding Sabot with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	10.8 in max
WEIGHT	445 g
MAX RANGE	2000 m
RATE OF FIRE	200 spm

ADDITIONAL FACTS

- Target practice discarding sabot cartridge with trace fielded in support of the Stryker Lethality Operational Needs Statement (ONS)
- Provides a low cost ballistic match to the MK258 APFSDS-T cartridge to provide the soldier with a realistic training environment
- Consists of an inert steel core inside a molded plastic sabot
- Mated to the cartridge assembly case which is composed of an aluminum case, flash tube assembly, primer, and propellant.



DODIC	NAME	WEAPON
AC28	MK317	XM813 Weapon System

MK310 Mod 0 PABM-T

Programmable Airburst Munition with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	11.4 in max
WEIGHT	713 g
MAX RANGE	2000 m
RATE OF FIRE	120 spm

ADDITIONAL FACTS

- Programmable airburst cartridge with trace fielded in support of the Stryker Lethality Operational Needs Statement (ONS)
- Consists of a steel projectile filled with PBXN-5 High Explosive, Incendiary Mix, and an inductive set (programmable) fuze with three modes: point detonation, point detonating delay, and airburst, and also has a self-destruct feature
- Employment: light armor, field fortifications, incendiary effects, bunkers, troops (in open and/or under cover)

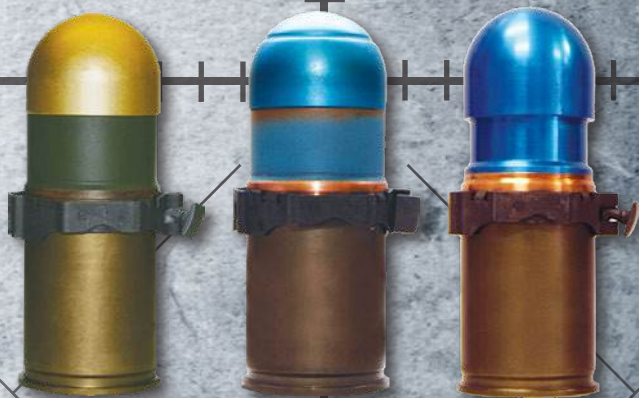


DODIC	NAME	WEAPON
AC47	MK310	XM813 Weapon System

/ NOTES /

High Velocity (HV) 40mm

MEDIUM CALIBER AMMUNITION



DODIC	AMMO ROUND	PAGE
B542	M430A1 HEDP	92
B584	M918 TP	93
B576	M385A1 TP	94
BA30	Mixed Belt (M918/M385A1)	93-94

M430A1 HEDP

High Explosive Dual Purpose

SYSTEM CHARACTERISTICS

HEIGHT	4.4 in
WEIGHT	340 g
MAX RANGE	2200 m
RATE OF FIRE	350 spm
MUZZLE VELOCITY	790 ft/s

ADDITIONAL FACTS

- High explosive dual purpose, with Point Initiating, Base Detonating (PIBD) fuze M549A1
- Inflicts personnel casualties in target area
- Penetrates 3" of steel armor
- Provides both armor piercing and anti-personnel
- Packed into PA120 cans (32 linked rounds)



M918 TP

Target Practice

SYSTEM CHARACTERISTICS

HEIGHT	4.4 in
WEIGHT	344 g
MAX RANGE	2200 m
RATE OF FIRE	350 spm
MUZZLE VELOCITY	795 ft/s

ADDITIONAL FACTS

- Target practice round designed to simulate M430A1 HEDP in appearance and ballistics
- Provides flash, smoke, and bang upon impact of target
- Packed into PA120 cans (32 linked rounds)
- Mixed belt configuration M918:M385A1, 22:10



DODIC	NAME	WEAPON
B542	M430A1	MK19 Mod 3 Grenade MG

DODIC	NAME	WEAPON
B584	M918	MK19 Mod 3 Grenade MG
BA30	Mixed Belt	MK19 Mod 3 Grenade MG

M385A1 TP

Target Practice

SYSTEM CHARACTERISTICS

HEIGHT	4.4 in
WEIGHT	350 g
MAX RANGE	2200 m
RATE OF FIRE	350 spm
MUZZLE VELOCITY	795 ft/s

ADDITIONAL FACTS

- Target practice or proof-testing round
- Provides minimal impact signature with no duds
- Projectile machined solid aluminum
- Packed into PA120 cans (32 linked rounds)
- Mixed belt configuration M918:M385A1, 22:10



DODIC	NAME	WEAPON
B576	M385A1	MK19 Mod 3 Grenade MG
BA30	Mixed Belt	MK19 Mod 3 Grenade MG

/ NOTES /

Low Velocity (LV) 40mm

MEDIUM CALIBER AMMUNITION



DODIC	AMMO ROUND	PAGE
B546	M433 HEDP	98
BA03	M992 IR	99
B535	M583A1 WS	100
B504	M661 GS	101
B505	M662 RS	102
B536	M585 WS	103
B519	M781 TP	104

M433 HEDP

High Explosive Dual Purpose

SYSTEM CHARACTERISTICS

HEIGHT	4.0 in
WEIGHT	230 g
MAX RANGE	400 m
RATE OF FIRE	Single shot
MUZZLE VELOCITY	250 ft/s

ADDITIONAL FACTS

- High explosive dual purpose with Point Initiating, Based Detonating (PIBD) fuze M550
- Casualty radius 5 m, injury radius 15 m
- Penetrates 2 in of steel armor
- 6-round bandoleer; 12 bandoleers/72 rounds/box



M992 IR

Infrared Illumination

SYSTEM CHARACTERISTICS

HEIGHT	5.3 in
WEIGHT	222 g
BURST HEIGHT	150-215 m
RATE OF FIRE	Single shot
MUZZLE VELOCITY	250 ft/s

ADDITIONAL FACTS

- 40 seconds burn time
- Enhances nighttime operational capabilities for troops engaged using night vision equipment
- Provides IR illumination with minimal visible light output
- Enhances target detection and recognition at night
- Parachute lowers candle at 7 ft/s
- Raised letter "I" on Ogive identifies type of cartridge
- 22 rounds per metal can
- 2 cans per wirebound box



DODIC	NAME	WEAPON
B546	M433	M320 Grenade Launchers

DODIC	NAME	WEAPON
BA03	M992	M320 Grenade Launchers

M583A1 WS

White Star Parachute

SYSTEM CHARACTERISTICS

HEIGHT	5.3 in
WEIGHT	222 g
BURST HEIGHT	150-215 m
RATE OF FIRE	Single shot
MUZZLE VELOCITY	250 ft/s

ADDITIONAL FACTS

- Illumination and signaling round
- Designed for less weight and bulk
- Greater accuracy than comparable handheld signals
- 40 seconds burn time
- Candle visible at slant range of at least 3 miles from 3000 ft altitude
- Parachute lowers candle at 7 ft/s
- Raised letter "W" on Ogive identifies color of cartridge
- 22 rounds per metal can
- 2 cans per wirebound box



DODIC	NAME	WEAPON
B535	M583A1	M320 Grenade Launchers

M661 GS

Green Star Parachute

SYSTEM CHARACTERISTICS

HEIGHT	5.3 in
WEIGHT	222 g
BURST HEIGHT	150-215 m
RATE OF FIRE	Single shot
MUZZLE VELOCITY	250 ft/s

ADDITIONAL FACTS

- Illumination and signaling round
- Designed for less weight and bulk
- Greater accuracy than comparable handheld signals
- 40 seconds burn time
- Candle visible at slant range of at least 3 miles from 3000 ft altitude
- Parachute lowers candle at 7 ft/s
- Raised letter "G" on Ogive identifies color of cartridge
- 22 rounds per metal can
- 2 cans per wirebound box



DODIC	NAME	WEAPON
B504	M661	M320 Grenade Launchers

M662 RS

Red Star Parachute

SYSTEM CHARACTERISTICS

HEIGHT	5.3 in
WEIGHT	222 g
BURST HEIGHT	150-215 m
RATE OF FIRE	Single shot
MUZZLE VELOCITY	250 ft/s

ADDITIONAL FACTS

- Illumination and signaling round
- Designed for less weight and bulk
- Greater accuracy than comparable handheld signals
- 40 seconds burn time
- Candle visible at slant range of at least 3 miles from 3000 ft altitude
- Parachute lowers candle at 7 ft/s
- Raised letter "R" on Ogive identifies color of cartridge
- 22 rounds per metal can
- 2 cans per wirebound box



M585 WS

White Star Cluster

SYSTEM CHARACTERISTICS

HEIGHT	5.3 in
WEIGHT	186 g
BURST HEIGHT	167 m
RATE OF FIRE	Single shot
MUZZLE VELOCITY	250 ft/s

ADDITIONAL FACTS

- Illumination and signaling round
- Designed for less weight and bulk
- Greater accuracy than comparable handheld signals
- Individual stars burn for approximately 7 seconds minimum
- Five raised dots and raised letter "W" on Ogive identify color and type of cartridge
- 22 rounds per metal can
- 2 cans per wirebound box



DODIC	NAME	WEAPON
B505	M662	M320 Grenade Launchers

DODIC	NAME	WEAPON
B536	M585	M320 Grenade Launchers

M781 TP

Target Practice

SYSTEM CHARACTERISTICS

HEIGHT	4.0 in
WEIGHT	205 g
MAX RANGE	400 m
RATE OF FIRE	Single shot
MUZZLE VELOCITY	250 ft/s

ADDITIONAL FACTS

- Target practice round designed to simulate M433 HEDP in appearance and ballistics
- Emits bright orange dye upon target impact
- 100 rounds per wood box



DODIC	NAME	WEAPON
B519	M781	M320 Grenade Launchers

/ NOTES /



LARGE CALIBER AMMUNITION

105mm.....	108
120mm.....	120

105mm

LARGE CALIBER AMMUNITION



DODIC	AMMO ROUND	PAGE
CA40	M1040	110
CA32	M393A3 HEP-T	111
C510	M467 TP-T	112
C503	M393A1 TP-T	113
CA37	M467A1 TP-T	114
C508	M456A2 HEAT-T	115
C511	M490A1 TP-T	116
C543	M900 APFSDS-T	117
C520	M724A1 TPDS-T	118
CA58	M724A2 TPDS-T	119

M1040

Canister

SYSTEM CHARACTERISTICS

HEIGHT	34.3 in (872 mm)
WEIGHT	52.7 lb (23.9 kg)
MUZZLE VELOCITY	3415 ft/s (1041 m/s)
PAYLOAD	2080 Tungsten spheres
FUZE	None
PACKING CONTAINER*	PA117 (72 lb/32.7 kg)

*30 CONTAINERS PER PALLET

ADDITIONAL FACTS

Target Set:

- Troops in the open
- Anti-materiel against technical trucks
- Adobe-type walls (close-in)
- Surface Laid Obstacles

Effective Range: 300 m

Announced as: "CAN"



M393A3 HEP-T

High-Explosive Plastic with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	37.0 in (940 mm)
WEIGHT	43.5 lb (20.0 kg)
MUZZLE VELOCITY	2470 ft/s (753 m/s)
PAYLOAD	6.6 lb (3.0 kg) Comp A3
FUZE	Dual Safe
PACKING CONTAINER*	PA117 (68 lb/30.8 kg)

*30 CONTAINERS PER PALLET

ADDITIONAL FACTS

Target Set:

- Wall breach
- Bunkers
- Field fortifications
- Light armor

Effective Range: 2000 m

Announced as: "HEP"



DODIC	NAME	WEAPON
CA40	M1040	105mm M10 Booker

DODIC	NAME	WEAPON
CA32	M393A3	105mm M10 Booker

M467 TP-T

Target Practice with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	37.0 in (940 mm)
WEIGHT	45.0 lb (20.4 kg)
MUZZLE VELOCITY	2400 ft/s (731.5 m/s)
PAYLOAD	Inert
FUZE	None
PACKING CONTAINER*	Wood box (137.0 lb/62.1 kg)

*30 ROUNDS PER PALLET

ADDITIONAL FACTS

Target Set:

- Training targets (wall, bunker, light armor)

Effective Range: 2000 m

Announced as: "HEP"



M393A1 TP-T

Target Practice with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	37.0 in (940 mm)
WEIGHT	45.0 lb (20.4 kg)
MUZZLE VELOCITY	2400 ft/s (731.5 m/s)
PAYLOAD	Inert
FUZE	None
PACKING CONTAINER*	Wood box (137.0 lb/62.1 kg)

*30 ROUNDS PER PALLET

ADDITIONAL FACTS

Target Set:

- Training targets (wall, bunker, light armor)

Effective Range: 2000 m

Announced as: "HEP"



DODIC	NAME	WEAPON	DODIC	NAME	WEAPON
C510	M467	105mm M10 Booker	C503	M393A1	105mm M10 Booker

M467A1 TP-T

Target Practice with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	37.0 in (940 mm)
WEIGHT	43.5 lb (20 kg)
MUZZLE VELOCITY	2470 ft/s (753 m/s)
PAYLOAD	None
FUZE	None
PACKING CONTAINER*	PA117 (68.0 lb/30.8 kg)

*30 CONTAINERS PER PALLET

ADDITIONAL FACTS

Target Set:

- Training targets (wall, bunker, light armor)

Effective Range: 2000 m

Announced as: "HEP"



M456A2 HEAT-T

High Explosive Anti-Tank with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	39.6 in (1006 mm)
WEIGHT	49.0 lb (22.3 kg)
MUZZLE VELOCITY	3850 ft/s (1173 m/s)
PAYLOAD	2.1 lb (1.0 kg) Comp B
FUZE	M509A1
PACKING CONTAINER*	Wood box (141.0 lb/64.0 kg)

*30 ROUNDS PER PALLET

ADDITIONAL FACTS

Target Set:

- Personnel carriers
- Field fortifications
- Secondary armor defeat

Effective Range: 2000 m

Announced as: "HEAT"



DODIC	NAME	WEAPON
CA37	M467A1	105mm M10 Booker

DODIC	NAME	WEAPON
C508	M456A2	105mm M10 Booker

M490A1 TP-T

Target Practice with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	39.3 in (999 mm)
WEIGHT	45.8 lb (20.8 kg)
MUZZLE VELOCITY	3850 ft/s (1173 m/s)
PAYLOAD	Inert
FUZE	None
PACKING CONTAINER*	Wood box (132 lb/59.9 kg) or crate

*30 ROUNDS PER PALLET OR 39 ROUNDS PER CRATE

ADDITIONAL FACTS

Target Set:

- Training targets (light armor, heavy armor, bunkers)

Effective Range: 2000 m

Announced as: "HEAT"



M900 APFSDS-T

Armor Piercing Fin Stabilized Discarding Sabot with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	39.5 in (1004 mm)
WEIGHT	40.8 lb (18.5 kg)
MUZZLE VELOCITY	4938 ft/s (1505 m/s)
PAYLOAD	Depleted uranium
FUZE	None
PACKING CONTAINER*	PA117 (57.8 lb/26.2 kg)

*30 ROUNDS PER PALLET

ADDITIONAL FACTS

Target Set:

- Heavy Armor

Effective Range: 3000 m

Announced as: "SABOT"



DODIC	NAME	WEAPON	DODIC	NAME	WEAPON
C511	M490A1	105mm M10 Booker	C543	M900	105mm M10 Booker

M724A1 TPDS-T

Target Practice Discarding Sabot with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	33.0 in (838 mm)
WEIGHT	32.0 lb (14.5 kg)
MUZZLE VELOCITY	5080 ft/s (1548 m/s)
PAYLOAD	Inert
FUZE	None
PACKING CONTAINER*	Wood box (107 lb/48.5 kg)

*30 ROUNDS PER PALLET

ADDITIONAL FACTS

Target Set:

- Training targets (heavy armor)

Effective Range: 2000 m

Announced as: "SABOT"



DODIC	NAME	WEAPON
C520	M724A1	105mm M10 Booker

M724A2 TPDS-T

Target Practice Discarding Sabot with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	39.5 in (1003 mm)
WEIGHT	35.0 lb (15.9 kg)
MUZZLE VELOCITY	5151 ft/s (1570 m/s)
PAYLOAD	Inert
FUZE	None
PACKING CONTAINER*	PA117 (57 lb/25.9 kg)

*30 CONTAINERS PER PALLET

ADDITIONAL FACTS

Target Set:

- Training targets (heavy armor)

Effective Range: 2000 m

Announced as: "SABOT"



DODIC	NAME	WEAPON
CA58	M724A2	105mm M10 Booker

120mm

LARGE CALIBER AMMUNITION



DODIC	AMMO ROUND	PAGE
CA38	M1028	122
C791	M830A1 HEAT-MP-T	123
CA05	M908 HE-OR-T	124
CA31	M1002 TPMP-T	125
C787	M830 HEAT MP-T	126
C784	M831A1 TP-T	127
C792	M829A2	128
CA26	M829A3 APFSDS-T	129
CA64	M829A4 APFSDS-T	130
C785	M865 TPCSDS-T	131
CA71	M1147 HEMP-T/AMP	132
CA69	M865A1 TPCSDS-T	133

M1028

Canister

SYSTEM CHARACTERISTICS

HEIGHT	30.7 in (779 mm)
WEIGHT	50.5 lb (22.9 kg)
MUZZLE VELOCITY	4626 ft/s (1410 m/s)
PAYLOAD	1100 Tungsten Spheres
FUZE	None
PACKING CONTAINER*	PA171 (75.0 lb/34.0 kg)

*30 CONTAINERS PER PALLET

ADDITIONAL FACTS

Target Set:

- Troops in the open
- Thin-skinned vehicles
- Cinderblock walls
- Concertina wire and foliage

Effective Range: 500 m

Announced as: "CAN/CANISTER"

Also used on training ranges



M830A1 HEAT-MP-T

High Explosive Anti-Tank Multi-Purpose with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	39.6 in (1006 mm)
WEIGHT	49.0 lb (22.3 kg)
MUZZLE VELOCITY	3850 ft/s (1173 m/s)
PAYLOAD	2.1 lb (97.0 kg) Comp B
FUZE	M509A1
PACKING CONTAINER*	PA171 (141.0 lb/64.0 kg)

*30 CONTAINERS PER PALLET

ADDITIONAL FACTS

Target Set:

- Personnel carriers
- Field fortifications
- Helicopters
- Secondary armor defeat

Effective Range: 2000 m

Announced as: "HEAT"

Improved hit probability



DODIC	NAME	WEAPON
CA38	M1028	120mm Cannon on M1A1/M1A2 Series Abrams Main Battle Tanks

DODIC	NAME	WEAPON
C791	M830A1	120mm Cannon on M1A1/M1A2 Series Abrams Main Battle Tanks

M908 HE-OR-T

High Explosive Obstacle Reduction with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	38.7 in (984 mm)
WEIGHT	50.1 lb (22.7 kg)
MUZZLE VELOCITY	4626 ft/s (1410 m/s)
PAYLOAD	Comp A3
FUZE	M774
PACKING CONTAINER*	PA116 (72.1 lb/32.7 kg)

*30 CONTAINERS PER PALLET

ADDITIONAL FACTS

Target Set:

- Concrete obstacles
- Buildings and bunkers
- Light armored vehicles (Secondary Armor Defeat round)

Effective Range: 3000 m

Announced as: "OR"

Steel nose in place of proximity switch



M1002 TPMP-T

Target Practice Multi-Purpose with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	38.5 in (978 mm)
WEIGHT	49.9 lb (22.7 kg)
MUZZLE VELOCITY	4511 ft/s (1375 m/s)
PAYLOAD	Inert
FUZE	None
PACKING CONTAINER*	PA171 (71.0 lb/32.3 kg)

*30 CONTAINERS PER PALLET

ADDITIONAL FACTS

Target Set:

- Training targets (armor, light armor, helicopter)

Effective Range: 2500 m

Announced as: "MPAT/MPAT AIR"
Air/ground switch for familiarization training



DODIC	NAME	WEAPON
CA05	M908	120mm Cannon on M1A1/M1A2 Series Abrams Main Battle Tanks

DODIC	NAME	WEAPON
CA31	M1002	120mm Cannon on M1A1/M1A2 Series Abrams Main Battle Tanks

M830 HEAT-MP-T

High Explosive Anti-Tank Multi-Purpose with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	38.6 in (981 mm)
WEIGHT	53.4 lb (24.2 kg)
MUZZLE VELOCITY	3740 ft/s (1140 m/s)
PAYLOAD	Comp A3, Type II
FUZE	M764
PACKING CONTAINER*	PA116 (76.4 lb/34.7 kg)

*30 CONTAINERS PER PALLET

ADDITIONAL FACTS

Target Set:

- Anti-armor and antipersonnel capabilities
- Buildings and bunkers
- Light armored vehicles (Secondary Armor Defeat round)

Effective Range: 2000 m

Announced as: "HEAT"



M831A1 TP-T

Target Practice with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	38.6 in (981 mm)
WEIGHT	50.5 lb (22.9 kg)
MUZZLE VELOCITY	3740 ft/s (1140 m/s)
PAYLOAD	Inert
FUZE	None
PACKING CONTAINER*	PA115 (73 lb/33.1 kg)

*30 CONTAINERS PER PALLET

ADDITIONAL FACTS

Target Set:

- Training targets (armor, light armor)

Effective Range: 2000 m

Announced as: "HEAT"



DODIC	NAME	WEAPON	DODIC	NAME	WEAPON
C787	M830	120mm Cannon on M1A1/M1A2 Series Abrams Main Battle Tanks	C784	M830A1	120mm Cannon on M1A1/M1A2 Series Abrams Main Battle Tanks

M829A2

SYSTEM CHARACTERISTICS

HEIGHT	38.7 in (984 mm)
WEIGHT	44.9 lb (20.4 kg)
MUZZLE VELOCITY	5512 ft/s (1680 m/s)
PAYLOAD	Depleted Uranium
FUZE	None
PACKING CONTAINER*	PA116 (66.1 lb/30.0 kg)

*30 CONTAINERS PER PALLET

ADDITIONAL FACTS

Target Set:

- Modern tanks (heavy armor)

Effective Range: 4000 m

Announced as: "SABOT"

Lightweight composite sabot



M829A3 APFSDS-T

Armor Piercing Fin-Stabilized Discarding Sabot with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	38.7 in (984 mm)
WEIGHT	56.0 lb (25.4 kg)
MUZZLE VELOCITY	5101.7 ft/s (1555 m/s)
PAYLOAD	Depleted Uranium
FUZE	None
PACKING CONTAINER*	PA171 (72.0 lb/33.0 kg)

*30 CONTAINERS PER PALLET

ADDITIONAL FACTS

Target Set:

- Modern tanks (heavy armor)

Effective Range: 4000 m

Announced as: "SABOT"



DODIC	NAME	WEAPON
C792	M829A2	120mm Cannon on M1A1/M1A2 Series Abrams Main Battle Tanks

DODIC	NAME	WEAPON
CA26	M829A3	120mm Cannon on M1A1/M1A2 Series Abrams Main Battle Tanks

M829A4 APFSDS-T

Armor Piercing Fin-Stabilized Discarding Sabot with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	38.7 in (984 mm)
WEIGHT	52.0 lb (23.6 kg)
MUZZLE VELOCITY	5413 ft/s (1650 m/s)
PAYLOAD	Depleted Uranium
FUZE	None
PACKING CONTAINER*	PA171 (73.0 lb/33.2 kg)

*30 CONTAINERS PER PALLET

ADDITIONAL FACTS

Target Set:

- Modern tanks (heavy armor)

Effective Range: 4000 m

Announced as: "SABOT"

Optimized with lightweight composite sabot and advanced penetrator



M865 TPCSDS-T

Target Practice Cone Stabilized Discarding Sabot with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	34.7 in (881 mm)
WEIGHT	37.5 lb (17 kg)
MUZZLE VELOCITY	5577 ft/s (1700 m/s)
PAYLOAD	Inert
FUZE	None
PACKING CONTAINER*	PA116 (63.2 lb/28.7 kg)

*30 CONTAINERS PER PALLET

ADDITIONAL FACTS

Target Set:

- Training targets (heavy armor)

Effective Range: 2500 m

Announced as: "SABOT"

Meets 8 km maximum range limitation
Replaced by M865A1



DODIC	NAME	WEAPON
CA64	M829A4	120mm Cannon on M1A1/M1A2 Series Abrams Main Battle Tanks

DODIC	NAME	WEAPON
C785	M865	120mm Cannon on M1A1/M1A2 Series Abrams Main Battle Tanks

M1147 HEMP-T/AMP

High-Explosive Multi-Purpose with Tracer/
Advanced Multi-Purpose

SYSTEM CHARACTERISTICS

HEIGHT	36.2 in (920 mm)
WEIGHT	60.8 lb (27.6 kg)
MUZZLE VELOCITY	3773 ft/s (1150 m/s)
PAYLOAD	PAX-3 with Tungsten Frag Pack
FUZE	Multi-mode/P/N13071387
PACKING CONTAINER*	PA171 (91.8 lb/41.6 kg)

*25 CONTAINERS PER PALLET

ADDITIONAL FACTS

Target Set:

- Anti-Tank Guided Missile (ATGM) Teams
- Infantry squads and platoons
- Light armored vehicles
- Double reinforced concrete wall breach
- Buildings, bunkers, and obstacles

Effective Range: 2000 m

Announced as: "AMP" for Point Detonate (PD)
"AMP DEE" for PD Delay (DLY)
"AMP AIR" for Airburst (AB)



M865A1 TPCSDS-T

Target Practice Cone Stabilized Discarding
Sabot with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	38.7 in (881 mm)
WEIGHT	42 lb (19 kg)
MUZZLE VELOCITY	5269 ft/s (1606 m/s)
PAYLOAD	Inert
FUZE	None
PACKING CONTAINER*	PA171 (64.0 lb/29.0 kg)

*30 CONTAINERS PER PALLET

ADDITIONAL FACTS

Target Set:

- Training targets (heavy armor)

Effective Range: 2500 m

Announced as: "SABOT"

M865A1 better emulates the M829 series
ammo when loading



DODIC	NAME	WEAPON
CA71	M1147	120mm Cannon on M1A1/M1A2 Series Abrams Main Battle Tanks • Vehicle Ammunition Data Link (ADL) required to program for DLY and AB • Non-ADL vehicle is PD only (default mode)

DODIC	NAME	WEAPON
CA69	M865A1	120mm Cannon on M1A1/M1A2 Series Abrams Main Battle Tanks



ANTICIPATED FIELDING IN 2025

MEDIUM CAL — 30X113

XM950 TP	138
XM1198 HEDPSD	139
XM1211 HEP	140

MEDIUM CAL — 40MM HV

M918E2 TP-DNT	141
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Miscellaneous

ANTICIPATED FIELDING IN 2025



DODIC	AMMO ROUND	PAGE
B139	XM950 TP	138
AC55	XM1198 HEDPSD	139
AC61	XM1211 HEP	140
BA67	M918E2 TP-DNT	141

MEDIUM CALIBER — 30x113MM

XM950 TP

Target Practice

SYSTEM CHARACTERISTICS

HEIGHT	7.9 in
WEIGHT	345 g
MAX RANGE	4000 m
RATE OF FIRE	200 spm

ADDITIONAL FACTS

- Low cost practice cartridge ballistically matched to XM1198
- Percussion primed
- Packed in linked belts, 72 cartridges per M592 container



DODIC	NAME	WEAPON
B139	XM950	XM914 on MLIDS, MADIS, and SGT Stout ground vehicles

MEDIUM CALIBER — 30x113MM

XM1198 HEDPSD

High Explosive Dual Purpose Self-Destruct

SYSTEM CHARACTERISTICS

HEIGHT	7.9 in
WEIGHT	348 g
MAX RANGE	4000 m
RATE OF FIRE	200 spm

ADDITIONAL FACTS

- High Explosive Dual Purpose warhead with shaped charge provides anti-personnel and anti-materiel capabilities
- Self-destruct feature reduces collateral damage when engaging aerial targets
- Uses M759 Point Initiating Base Detonating Fuze (PIBD)
- Percussion primed
- Packed in linked belts, 72 cartridges per M592 container



DODIC	NAME	WEAPON
AC55	XM1198	XM914 on MLIDS, MADIS, and SGT Stout ground vehicles

MEDIUM CALIBER — 30x113MM

XM1211 HEP

High Explosive Proximity

SYSTEM CHARACTERISTICS

HEIGHT	7.9 in
WEIGHT	338 g
MAX RANGE	2300 m
RATE OF FIRE	200 spm

ADDITIONAL FACTS

- Proximity fuzed cartridge provides enhanced capability against UAS and personnel
- Uses M759 Safe and Arm (S&A) device combined with proximity sensor to detect nearby targets and detonate without need for direct impact
- Electronic self-destruct feature causes projectile to explode at predetermined time after firing to reduce collateral damage
- Percussion primed
- Packed in linked belts, 72 cartridges per M592 container



DODIC	NAME	WEAPON
AC61	XM1211	XM914 on MLIDS and MADIS ground vehicles

MEDIUM CALIBER — 40MM HV

M918E2 TP-DNT

Target Practice Day/Night/Thermal

SYSTEM CHARACTERISTICS

HEIGHT	4.4 in
WEIGHT	344 g
MAX RANGE	2200 m
RATE OF FIRE	350 spm

ADDITIONAL FACTS

- Target practice cartridge designed to simulate M430A1 HEDP in appearance and ballistics; replaces M918 TP
- Non-dud-producing; eliminates unexploded ordnance (UXO) risk
- Produces day, night, and thermal signature upon impact with target
- Signature can be seen day or night by unaided eye, and through current and future thermal and night vision sights
- Packed into PA120 cans (32 linked rounds)



DODIC	NAME	WEAPON
BA67	M918E2 TP-DNT	MK19 Model 3 Grenade MG

Warfighter Ammunition Information Program

KEVIN P. O'CONNOR

Team Leader, Warfighter Ammunition
Information Program (WAIP)
PM MAS
Contractor/SAIC

PHONE: (706) 593-4575
EMAIL: kevin.p.o'connor@saic.com

JACK R. COOPER

PM MAS
Medium/Large Caliber Field Support
Army Capability Manager—Stryker
Brigade Combat Team (ACM-SBCT)
Ft. Moore, GA
Contractor/Vertex Solutions

PHONE: (706) 545-7662
CELL: (201) 874-0117
EMAIL: jackie.r.cooper8.ctr@
army.mil

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DEREK C. ATES

PM MAS
Large Caliber Field Support
Army Capability Manager—
Armored Brigade Combat Team
(ACM-ABCT)
Ft. Moore, GA
Contractor/Vertex Solutions

PHONE: (973) 289-6986
EMAIL: derek.c.ates.ctr@
army.mil

**CAMERON L.
COPELAND**

Senior Air Defense Ammunition
Analyst, WAIP
Product Manager (PdM) Medium
Caliber, PM MAS
Contractor/ Blue Skies Inc.

PHONE: (910) 705-7137
EMAIL: cameron.l.copeland.
ctr@army.mil

CHRIS A. BUTTS

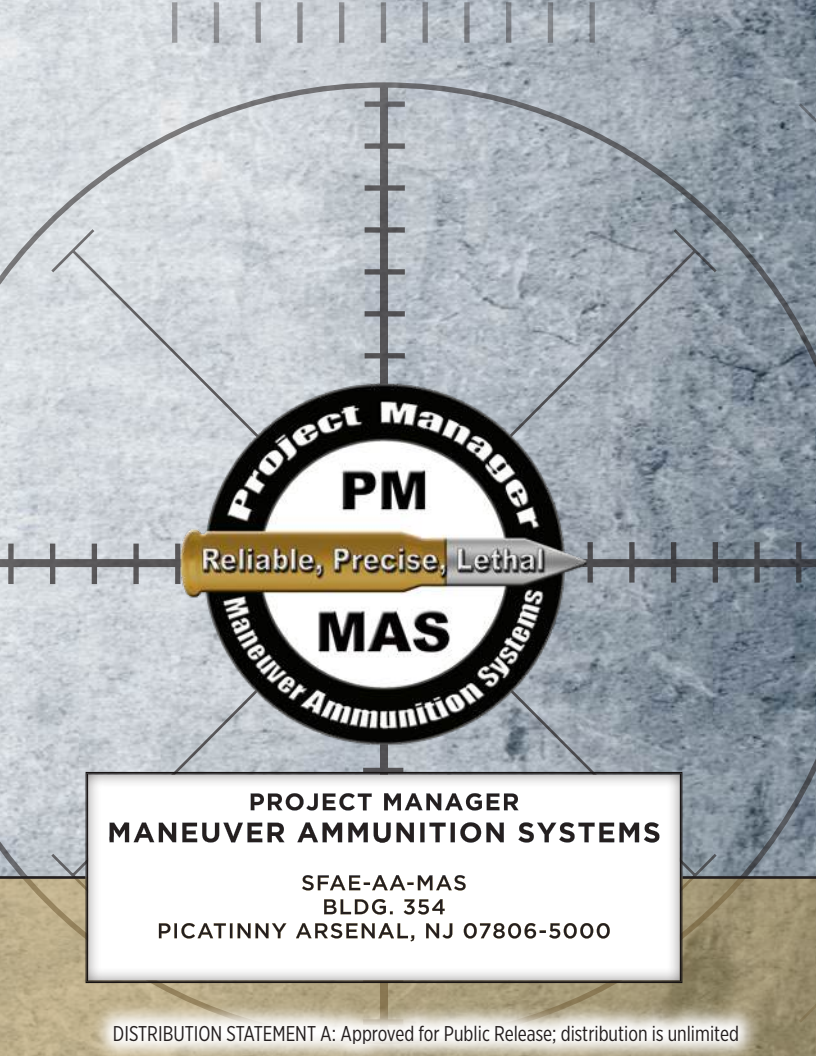
Senior Aviation Ammunition
Analyst, WAIP
Product Manager (PdM) Medium
Caliber, PM MAS
Contractor/Blue Skies Inc.

PHONE: (806) 561-0875
EMAIL: christopher.a.butts4.
ctr@army.mil

MARK A. ELSEY

Program Analyst Small Arms
Medium Caliber Ammunition,
PM MAS
Maneuver Capabilities
Development & Integration
Division (MCDID), Army Futures
Command
Soldier Requirements Division
(SRD), Lethality Branch
Contractor/SAIC

PHONE: (706) 545-1725
EMAIL: mark.a.elsey.ctr@
army.mil



Project Manager

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**PROJECT MANAGER
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