



DIRECT FIRE AMMUNITION
HANDBOOK

2021



OUR MISSION

PM MAS develops, equips and sustains integrated lethal Direct Fire Ammunition effects to enable Joint and Allied Warfighters overmatch in the battlefield.

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

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Photo: Spc. Ryan Lucas

SMALL CALIBER AMMUNITION

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SMALL CALIBER AMMUNITION

5.56mm



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AA68		
AB66	M1037 SRТА	15
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AC10		

M855

Ball

SYSTEM CHARACTERISTICS

HEIGHT	2.248 in
WEIGHT	190 gr
VELOCITY	3020 f/s @ 78 ft
DISPERSION	≤6.8 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



DODIC	NAME	WEAPON
A059	Ball M855, Clipped	M4, M4A1, M16A2/A4
A062	Ball M855 w/M27 Link	M249 SAW
A064	4 Ball M855/1 Trace M856 w/M27 Link	M249 SAW
AA33	M855 Ball, Clipped (Commercial Pack)	M4, M4A1, M16A2/A4

M856

Trace

5.56MM

SMALL CALIBER AMMUNITION

SYSTEM CHARACTERISTICS

HEIGHT	2.248 in
WEIGHT	191 gr
VELOCITY	2990 f/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
A063	Trace M856	M4, M4A1, M16A2/A4
A064	4 Ball M855/1 Trace M856 w/M27 Link	M249 SAW

M193

Ball

SYSTEM CHARACTERISTICS

HEIGHT	2.248 in
WEIGHT	182 gr
VELOCITY	3165 f/s @ 78 ft
DISPERSION	≤2 in @ 300 m

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



DODIC	NAME	WEAPON
A071	Ball M193, Clipped	M16, M16A1
A066	Ball M193 (Carton Pack)	M16, M16A1

M200

Blank

5.56MM

SMALL CALIBER AMMUNITION

SYSTEM CHARACTERISTICS

HEIGHT	1.9 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
A075	Blank M200 w/M27 Link	M249 SAW
A080	Blank M200 (Carton Pack)	M24, M4A1, M16A2/A4

M995 AP

Armor Piercing

SYSTEM CHARACTERISTICS

HEIGHT	2.248 in
WEIGHT	190 gr
VELOCITY	3020 f/s @ 78 ft
DISPERSION	≤6.8 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



DODIC	NAME	WEAPON
AA01	AP M995 w/M27 Link	M249 SAW
AA02	4 AP M995/1 Trace M856 w/M27 Link	M249 SAW
AA69	AP M995, Clipped	M4, M4A1, M16A2/A4

M855A1 EPR

Enhanced Performance Round

5.56MM

SMALL CALIBER AMMUNITION

SYSTEM CHARACTERISTICS

HEIGHT	2.248 in
WEIGHT	190 gr
VELOCITY	3070 f/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
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
AB77	Ball 855A1, Clipped (w/o Bandoleer)	M4, M4A1, M16A2/A4

M856A1

Trace

SYSTEM CHARACTERISTICS

HEIGHT	2.248 in
WEIGHT	176 gr
VELOCITY	3100 f/s @ 78 ft
DISPERSION	≤6.3 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



DODIC	NAME	WEAPON
AB73	4 Ball M855A1/1 Trace M856A1 w/M27 Link	M249 SAW
AB74	Trace M856A1 (Carton Pack)	M4, M4A1, M16A2/A4
AA69	AP M995, Clipped	M4, M4A1, M16A2/A4

M862 SRTA

Short Range Training Ammunition

5.56MM

SYSTEM CHARACTERISTICS

HEIGHT	2.03 in
WEIGHT	108 gr
VELOCITY	4356 f/s @ 15 ft
DISPERSION	Mean radius ≤ 1.18 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



SMALL CALIBER AMMUNITION

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

M1037 SRTA

Short Range Training Ammunition

SYSTEM CHARACTERISTICS

HEIGHT	2.2 in
WEIGHT	165 gr
VELOCITY	2605 f/s @ 78 ft
DISPERSION	≤3.54 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 & lead free
- Cartridge Case: Standard NATO 5.56mm x 45mm
- **NOT used with M2 Training Bolt**
- **NOT FOR USE in plywood shoothouses**



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

| Notes |



SMALL CALIBER AMMUNITION

7.62mm



DODIC	AMMO ROUND	PAGE
A111	M82 Blank	20
AB72	M82A1 Ceremonial Blank	21
A143	M80 Ball	22
A130		
A164		
A131	M80 Ball/M62 Trace	23
A165		
A168		
A151	M80/M62 Overhead Fire	24
A166		
A255	M80 Ball/M276 Dim Trace	25
A257		
AA03	M993 Armor Piercing	26
AA04		
AA11	M118 Ball Long Range	27
AB79	M80A1/M62A1 Trace	28-29
AB82		
AB86		
AB88		
AB89		
AA37	M973/M974 SRTA Trace	30
AA39		
AB60		

M82

Blank

SYSTEM CHARACTERISTICS

HEIGHT	2.595 in
WEIGHT	234.5 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



DODIC	NAME	WEAPON
A111	Blank M82 w/M13 Link	M240 Series Machine Guns

M82A1

Ceremonial Blank

SYSTEM CHARACTERISTICS

HEIGHT	2.623 in
WEIGHT	234.5 gr
VELOCITY	N/A

ADDITIONAL FACTS

- Used for saluting for ceremonial applications (M14 rifle)



DODIC	NAME	WEAPON
AB72	Blank M82A1, Bottlenose	M14

7.62MM

SMALL CALIBER AMMUNITION

M80

Ball

SYSTEM CHARACTERISTICS

HEIGHT	2.80 in
WEIGHT	392 gr
VELOCITY	2750 f/s @ 78 ft
DISPERSION	Mean radius \leq 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



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

M80 | M62

Ball | Trace

7.62MM

SYSTEM CHARACTERISTICS

HEIGHT		2.80 in
WEIGHT	M80 M62	392 gr 383 gr
VELOCITY	M80 M62	2750 f/s @ 78 ft 2670 f/s @ 78 ft
DISPERSION	M80 M62	Mean radius ≤ 7.5 in @ 600 yd Mean radius ≤ 15 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



SMALL CALIBER AMMUNITION

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 Mini Gun, M240 Series Machine Guns

M80 | M62

Overhead Fire

SYSTEM CHARACTERISTICS

HEIGHT		2.80 in
WEIGHT	M80	392 gr
	M62	383 gr
VELOCITY	M80	2750 f/s @ 78 ft
	M62	2670 f/s @ 78 ft
DISPERSION	M80	Mean radius ≤ 7.5 in @ 600 yd
	M62	Mean radius ≤ 15 in @ 600 yd

ADDITIONAL FACTS

- Training unique ammunition
- Accepted at higher performance standards for overhead usage
- 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
A151	4 Ball M80/1 Trace M62 w/M13 Link f/OHF	M240 Series Machine Guns
A166	Ball M80 w/M13 Link f/OHF	M240 Series Machine Guns

M80 | M276

Ball | Dim Trace

7.62MM

SYSTEM CHARACTERISTICS

HEIGHT		2.80 in
WEIGHT	M80	392 gr
	M276	381 gr
VELOCITY	M80	2750 f/s @ 78 ft
	M276	2670 f/s @ 78 ft
DISPERSION	M80	Mean radius ≤ 7.5 in @ 600 yd
	M276	Mean radius ≤ 15 in @ 600 yd

ADDITIONAL FACTS

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



SMALL CALIBER AMMUNITION

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 f/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 .25" armor plate at distance not greater than 100 m
- Capable of penetrating .25" plate at distance of 550 m



DODIC	NAME	WEAPON
AA03	AP M993, Single Round Combat Only (Carton Pack)	M14, M24, M110 Rifles
AA04	4 AP M993/1 Trace M62 w/M13 Link	M240 Series Machine Guns, M134 Minigun

M118

Ball Long Range

7.62MM

SYSTEM CHARACTERISTICS

HEIGHT	2.83 in
WEIGHT	390 gr
VELOCITY	2575 f/s @ 78 ft
DISPERSION	Extreme spread 10.3 horiz., 14 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



SMALL CALIBER AMMUNITION

DODIC	NAME	WEAPON
AA11	Ball M118, Long Range (Carton Pack)	M14, M24, M110; M40 USMC Series Rifles

M80A1 | M62A1

Ball | Trace

SYSTEM CHARACTERISTICS

HEIGHT		2.80 in
WEIGHT		374 gr
VELOCITY	M80A1	2,925 f/s @ 78 ft
	M82A1	2,895 f/s @ 78 ft

ADDITIONAL FACTS

- Lead-free
- Primary 7.62 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
- M62A1 companion Trace



DODIC	NAME	WEAPON
A151	4 Ball M80/1 Trace M62 w/M13 Link f/OHF	M240 Series Machine Guns
A166	Ball M80 w/M13 Link f/OHF	M240 Series Machine Guns

SYSTEM CHARACTERISTICS

DISPERSION	M80A1	Mean radius ≤ 6.5 in @ 600 yd
	M82A1	Mean radius ≤ 15 in @ 600 yd

ADDITIONAL FACTS (CONT'D)

- 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

DODIC	NAME	WEAPON
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

M973 | M974 SRTA

Short Range Training Ammunition | Trace

SYSTEM CHARACTERISTICS

HEIGHT	2.625 in
WEIGHT	300 gr
VELOCITY	2729 f/s @ 78 ft
DISPERSION	Mean radius \leq 78 mm @ 100 m

ADDITIONAL FACTS

- Projectile Design: Composite material with front fins
- Short Range training 4 SRTA/
1 SRTA-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
AA37	4 Ball M973/1 Trace M974 w/M13 Link	M240 Series Machine Gun
AA39	4 Ball M973/1 Trace M974 w/M13 Link	M240 Series Machine Gun
AB60	M793 w/M13 Linked	M240 Series Machine Gun

| Notes |



SMALL CALIBER AMMUNITION

.50 CALIBER



DODIC	AMMO ROUND	PAGE
A555	M33 Ball	34
A557	M33 Ball/M17 Trace	35
A576	M8 API/M20 API-T	36
A598	M1A1 Blank	37
A606	MK211 MP Mod 0	38
A607	MK211 Mod 1/M20 API-T	39
AB30	M8 API/MK257 API Dim Trace	40
A518	M903/M962 SLAP	41
AA38		
A519		
A602	M858/M860 SR TA Trace	42

M33

Ball

SYSTEM CHARACTERISTICS

HEIGHT	5.45 in
WEIGHT	1782 gr
VELOCITY	2905 f/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



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

M33 | M17

Ball | Trace

SYSTEM CHARACTERISTICS

HEIGHT		5.45 in
WEIGHT	M33 M17	1782 gr 1718 gr
VELOCITY	M80	2905 f/s @ 78 ft
DISPERSION	M33 M17	Mean radius ≤ 7.5 in @ 600 yd Mean radius ≤ 15 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 targets



DODIC

NAME

WEAPON

A557

4 Ball M33/1 Trace
M17 w/M9 Link

M2/M3 Machine Gun

.50 CAL

SMALL CALIBER AMMUNITION

M8 API | M20 API-T

Armor Piercing Incendiary | Trace

SYSTEM CHARACTERISTICS

HEIGHT		5.45 in
WEIGHT	M8 M20	1784.5 gr 1738 gr
VELOCITY		2905 f/s @ 78 ft
DISPERSION	M8/ M20	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



DODIC	NAME	WEAPON
A576	4 API M8/1 API-T M20 w/M9 Link	M2, M2A1, M3 Machine Gun, M107 Rifle

M1A1

Blank

SYSTEM CHARACTERISTICS

HEIGHT	3.91 in
WEIGHT	915 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
A598	Blank M1A1 w/M9 Link	M2, M2A1, M3 Machine Guns

.50 CAL

SMALL CALIBER AMMUNITION

MK211

Multi Purpose Mod 0

SYSTEM CHARACTERISTICS

HEIGHT	5.45 in
WEIGHT	1765 gr
VELOCITY	2905 f/s @ 78 ft
DISPERSION	Mean radius Mod 0 ≤6 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



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

MK211 | M20 API-T

Mod 1 | Armor Piercing Incendiary-Trace

.50 CAL

SMALL CALIBER AMMUNITION

SYSTEM CHARACTERISTICS

HEIGHT		5.45 in
WEIGHT		1765 gr
VELOCITY		2905 f/s @ 78 ft
DISPERSION	MK211 Mod 1	Mean radius ≤12.0 in @ 600 yd
	M20 API-T	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
- Identified with green bullet tip with aluminum color annulus
- M20 identified by red over gray bullet tip



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 MK257	1784.5 gr 1718 gr
VELOCITY		2905 f/s @ 78 ft
DISPERSION	M8/ MK257	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



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

M903 | M962 SLAP

Saboted Light Armor Penetrator | Trace

SYSTEM CHARACTERISTICS

HEIGHT	5.45 in
WEIGHT	1466 gr
VELOCITY	4000 f/s @ 78 ft
DISPERSION	Mean radius \leq 18 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
A518	4 SLAP M903/ 1 SLAP Trace M962	M2, M2A1, M3 Machine Guns
AA38	Cal .50 M962 Tank Trainer	M2, M2A1, M3 Machine Guns
A519	SLAP M903 w/M9 Link	M2, M2A1, M3 Machine Guns

M858 | M860 SRTA

Short Range Training Ammunition | Trace

SYSTEM CHARACTERISTICS

HEIGHT	5.21 in
WEIGHT	460 gr
VELOCITY	2790 f/s @ 78 ft
DISPERSION	Mean radius \leq 30.5 cm @ 150 m

ADDITIONAL FACTS

- Accuracy match to M33/M17 at 150 m
- 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

| Notes |



SMALL CALIBER AMMUNITION

Misc.



DODIC	AMMO ROUND	PAGE
A363	M882 Ball	46
AA49		
A260	MK243 JHP	47
AC21	XM1153 MHS	48
AC23		
A011	Ctg 12 Gauge Buckshot	49
AA54	M1030	50
AB45	DDI	51
AB46		
AB47		
AB48		
AB36		
AB12/13/14	M1041 CCMCK	52
AB09/10/11	M1042 CCMCK	
AB15/16/17	M1071 CCMCK	
A191	MK248 Mod 0 Ball	53

M882

9mm Ball Pistol Ammunition

SYSTEM CHARACTERISTICS

HEIGHT	1.165 in
WEIGHT	190 gr
VELOCITY	1230 f/s @ 15 ft
DISPERSION	Mean radius ≤ 1.5 in @ 50 m

ADDITIONAL FACTS

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



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

MK243 JHP

9mm Mod 0 Jacketed Hollow Point

SYSTEM CHARACTERISTICS

HEIGHT	1.15 in
WEIGHT	147 gr
VELOCITY	975 f/s
DISPERSION	Average Extreme Spread ≤2 in @ 50 yd

ADDITIONAL FACTS

- Used in situations 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
- Restricted to law enforcement use
- Increased lethality
- Reduced over-penetration of personnel targets



DODIC	NAME	WEAPON
A260	MK243 Mod 0 Jacketed Hollow Point (JHP)	M9, M11, MP5

XM1153

9mm Ball Pistol Ammunition

SYSTEM CHARACTERISTICS

HEIGHT	1.130 in
WEIGHT	210 gr
VELOCITY	1000 f/s @ 15 ft
DISPERSION	Mean radius <1.5 in @ 50 m

ADDITIONAL FACTS

- Used for training/force protection



DODIC	NAME	WEAPON
AC21	9mm Special Purpose XM1153 (Military Pack)	XM17, XM18 Pistols
AC23	9mm Special Purpose XM1153 (Commercial Pack)	XM17, XM18 Pistols

Ctg 12 Gauge

#00 Buckshot, Commercial

SYSTEM CHARACTERISTICS

HEIGHT	2.53 in
WEIGHT	12.8 gr
VELOCITY	1325 f/s @ 3 ft

ADDITIONAL FACTS

- Cartridge case plastic, loaded with smokeless powder and No. 00 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

M1030

12 Gauge Breaching Round

SYSTEM CHARACTERISTICS

HEIGHT	2.45 in
WEIGHT	617 gr
VELOCITY	1148 f/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 grains) compressed zinc pallets supported by plastic wad
- Fits current standard military 12 gauge



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

DDI

Dummy, Drilled & Inert

ADDITIONAL FACTS

- Used for weapons training and maintenance
- Brass cartridge case, copper bullet, nickel colored plating
- Cases are 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
AB45	9mm Dummy	Pistol
AB46	5.56 Dummy	M4, M4A1, M16A2/A4, M249 SAW
AB47	7.62 Dummy	M240 Series Machine Guns
AB48	.50 Cal Dummy	M2A1
AB36	.50 Cal Dummy	M2

M1041 | M1042 | M1071

Close Combat Mission Capability Kit (CCMCK)

SYSTEM CHARACTERISTICS

WEIGHT	M1041	71.8 gr Ctg.; 7.7 gr Projectile
	M1042	94.86 gr Ctg.; 6.9 gr Projectile
	M1071	147.8 gr Ctg.; 6.9 gr Projectile
VELOCITY	M1041	575 f/s (M9); 491 f/s (M11)
	M1042	483 f/s (M16); 428 f/s (M4, M4A1)
	M1071	441 f/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 that 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
AB12/13/14	M1041 9mm Yellow/Blue/Red	Pistol
AB09/10/11	M1042 5.56mm Clipped Blue/Red/Yellow	M4, M4A1, M16A2/ A3/A4, M249 SAW
AB15/16/17	M1071 5.56mm Linked Yellow/Blue/Red	M4, M4A1, M16A2/ A3/A4, M249 SAW

MK248

Mod 0 Ball

SYSTEM CHARACTERISTICS

HEIGHT	3.5 in
WEIGHT	445 gr
VELOCITY	3000 f/s @ 15 ft
DISPERSION	Extreme spread ≤ 4.71 in @ 300 yd

ADDITIONAL FACTS

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



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





Photo: Pfc. Laurie Ellen Schubert

MEDIUM CALIBER AMMUNITION

20mm & 25mm.	56
30x113mm	66
30x173mm.	72
40mm High Velocity	80
40mm Low Velocity.	86

MEDIUM CALIBER AMMUNITION

20&25mm



DODIC (20MM)	AMMO ROUND	PAGE
AB07	M940 MPT-SD	58

DODIC (25MM)	AMMO ROUND	PAGE
A974	M791 APDS-T	59
A975	M792 HEI-T	60
A976	M793 TP-T	61
A967	M794 Dummy	62
A940	M910 TPDS-T	63
A986	M919 APFSDS-T	64

M940 MPT-SD

Multi-Purpose Tracer with Self Destruct

SYSTEM CHARACTERISTICS

LENGTH	6.615 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



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

M791 APDS-T

Armor Piercing Discarding Sabot with Tracer

SYSTEM CHARACTERISTICS

LENGTH	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



DODIC	NAME	WEAPON
A974	M791 APDS-T	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

LENGTH	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
- Recent 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



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

M793 TP-T

Target Practice with Tracer

SYSTEM CHARACTERISTICS

LENGTH	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
A976	M793 TP-T	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 System (MGS)

M794

Dummy

SYSTEM CHARACTERISTICS

LENGTH	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 M792, M793, PGU-23, PGU-25, and PGU-32
- 30 linked cartridges per PA125 container



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

M910 TPDS-T

Target-Practice Discarding Sabot with Tracer

SYSTEM CHARACTERISTICS

LENGTH	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
A940	M910 TPDS-T	M242 Bushmaster Chain Gun on US Army Bradley Fighting Vehicle (BFV) and USMC LAV-25

M919 APFSDS-T

Armor Piercing Fin Stabilized
Discarding Sabot with Tracer

SYSTEM CHARACTERISTICS

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

| Notes |



MEDIUM CALIBER AMMUNITION

30x113mm



DODIC	AMMO ROUND	PAGE
B118	M788 TP	68
B129	M789 HEDP	69
B133	M848 Dummy	70

M788 TP

Target Practice

SYSTEM CHARACTERISTICS

LENGTH	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



DODIC	NAME	WEAPON
B118	M788	M230 Chain Gun on AH-64 Apache Attack Helicopters, 160th SOAR MH60K Blackhawk Helicopters

M789 HEDP

High Explosive Dual Purpose

SYSTEM CHARACTERISTICS

LENGTH	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
B129	M789	M230 Chain Gun on AH-64 Apache Attack Helicopters, 160th SOAR MH60K Blackhawk Helicopters

30X113MM

MEDIUM CALIBER AMMUNITION

M848

Dummy

SYSTEM CHARACTERISTICS

LENGTH	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 MH60K Blackhawk Helicopters

| Notes |



MEDIUM CALIBER AMMUNITION

30x173mm



DODIC	AMMO ROUND	PAGE
AC27	MK238 HEI-T	74
AC25	MK239 TP-T	75
AC26	MK258 APFSDS-T	76
AC28	MK317 TPDS-T	77
AC47	MK310 PABM-T	78

MK238 Mod 1 HEI-T

High Explosive Incendiary with Tracer

SYSTEM CHARACTERISTICS

LENGTH	11.416 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



DODIC	NAME	WEAPON
AC27	MK238 HEI-T	XM813 Weapon System

MK239 TP-T

Target Practice with Tracer

SYSTEM CHARACTERISTICS

LENGTH	11.416 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
- The MK239 projectile consists of an inert steel projectile and aluminum windscreen. The projectile is mated to the cartridge case assembly which is composed of an aluminum case, flash tube assembly, primer, and propellant



DODIC	NAME	WEAPON
AC251	MK239 TP-T	XM813 Weapon System, Naval ships with MK44 cannon in MK46 Gun Weapon System (GWS)

30x173MM

MEDIUM CALIBER AMMUNITION

MK258 Mod 1 APFSDS-T

Armor Piercing Fin Stabilized
Discarding Sabot with Tracer

SYSTEM CHARACTERISTICS

LENGTH	11.063 in max
WEIGHT	706 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 APFSDS-T	XM813 Weapon System, Naval ships with MK44 cannon in MK46 Gun Weapon System (GWS)

MK317 TPDS-T

Target Practice Discarding Sabot with Tracer

SYSTEM CHARACTERISTICS

LENGTH	10.755 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
- The Mk317 TPDS-T projectile consists of an inert steel core inside a molded plastic sabot. The projectile is mated to the cartridge case assembly which is composed of an aluminum case, flash tube assembly, primer, and propellant



DODIC	NAME	WEAPON
AC28	MK317 TPDS-T	XM813 Weapon System

30X173MM

MEDIUM CALIBER AMMUNITION

MK310 Mod 0 PABM-T

Programmable Air Burst Munition with Tracer

SYSTEM CHARACTERISTICS

LENGTH	11.416 in max
WEIGHT	713 g
MAX. RANGE	2000 m
RATE OF FIRE	120 spm

ADDITIONAL FACTS

- Programmable Air Burst cartridge with trace will be fielded in support of the Stryker Lethality Operational Needs Statement (ONS)
- The Mk310 Mod 0 cartridge consists of a steel projectile filled with PBXN-5 High Explosive, Incendiary Mix, and an inductive set (programmable) fuze with three modes: point detonating, point detonating delay and air burst, 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 PABM-T	XM813 Weapon System

| Notes |



MEDIUM CALIBER AMMUNITION

40mm

HIGH VELOCITY (HV)



DODIC	AMMO ROUND	PAGE
B542	M430A1 HEDP	82
B584	M918 TP	83
BA30		
B576	M385A1 TP	84
BA30		
BA49		

M430A1 HEDP

High-Explosive, Dual Purpose

SYSTEM CHARACTERISTICS

LENGTH	4.415 in
WEIGHT	340 g
MAX. RANGE	2200 m
RATE OF FIRE	350 spm
MUZZLE VELOCITY	790 fps

ADDITIONAL FACTS

- High Explosive, Dual Purpose (HEDP), 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)



DODIC	NAME	WEAPON
B542	M430A1	MK19 Mod 3 Grenade MG

M918 TP

Target Practice

SYSTEM CHARACTERISTICS

LENGTH	4.415 in
WEIGHT	344 g
MAX. RANGE	2200 m
RATE OF FIRE	350 spm
MUZZLE VELOCITY	795 fps

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
B584	M918	MK19 Mod 3 Grenade MG
BA30	Mixed Belt	MK19 Mod 3 Grenade MG

M385A1 TP

Target Practice

SYSTEM CHARACTERISTICS

LENGTH	4.415 in
WEIGHT	350 g
MAX. RANGE	2200 m
RATE OF FIRE	350 spm
MUZZLE VELOCITY	795 fps

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
- Reference rounds are unlinked and used solely for lot acceptance testing



DODIC	NAME	WEAPON
B576	M385A1	MK19 Mod 3 Grenade MG
BA30	Mixed Belt	MK19 Mod 3 Grenade MG
BA49	M385A1 Reference Rounds	40mm HV Mann Barrel, MK19

| Notes |



MEDIUM CALIBER AMMUNITION

40mm

LOW VELOCITY (LV)



DODIC	AMMO ROUND	PAGE
B546	M433 HEDP	88
BA03	M992 IR	89
B535	M583A1 WS	90
B504	M661 GS	91
B505	M662 RS	92
B536	M585 WS	93
B519	M781 TP	94

M433 HEDP

High-Explosive, Dual-Purpose

SYSTEM CHARACTERISTICS

LENGTH	4.05 in
WEIGHT	230 g
MAX. RANGE	400 m
RATE OF FIRE	Single Shot
MUZZLE VELOCITY	250 fps

ADDITIONAL FACTS

- High Explosive, Dual Purpose (HEDP) with Point Initiating, Base Detonating (PIBD) fuze M550
- Casualty radius 5 m, injury radius 15 m
- Penetrates 2" of steel armor
- 6-round bandoleer; 12 bandoleers/72 rounds/box



DODIC	NAME	WEAPON
B546	M433	M79, M203, M320 Grenade Launchers

M992 IR

Infrared Illumination

SYSTEM CHARACTERISTICS

LENGTH	5.272 in
WEIGHT	222 g
BURST HEIGHT	150-215 m
RATE OF FIRE	Single Shot
MUZZLE VELOCITY	250 fps

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 fps
- Raised letter "I" on Ogive identifies color of cartridge
- 22 rounds per metal can
- 2 cans per wirebound box



DODIC	NAME	WEAPON
BA03	M992	M79, M203, M320 Grenade Launchers

M583A1 WS

White Star Parachute

SYSTEM CHARACTERISTICS

LENGTH	5.272 in
WEIGHT	222 g
BURST HEIGHT	150-215 m
RATE OF FIRE	Single Shot
MUZZLE VELOCITY	250 fps

ADDITIONAL FACTS

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



DODIC	NAME	WEAPON
B535	M583A1	M79, M203, M320 Grenade Launchers

M661 GS

Green Star Parachute

SYSTEM CHARACTERISTICS

LENGTH	5.272 in
WEIGHT	222 g
BURST HEIGHT	150-215 m
RATE OF FIRE	Single Shot
MUZZLE VELOCITY	250 fps

ADDITIONAL FACTS

- Illumination and signaling round designed for less weight and bulk and greater accuracy than comparable handheld signals
- 40 seconds burn time
- Parachute lowers candle at 7 fps
- Candlepower 8,000 “candela” candle is visible at slant range of at least 3 miles from 3000’ altitude
- Raised letter “G” on Ogive identifies color of cartridge
- 22 rounds per metal can
- 2 cans per wirebound box



DODIC	NAME	WEAPON
B504	M661	M79, M203, M320 Grenade Launchers

M662 RS

Red Star Parachute

SYSTEM CHARACTERISTICS

LENGTH	5.272 in
WEIGHT	222 g
BURST HEIGHT	150-215 m
RATE OF FIRE	Single Shot
MUZZLE VELOCITY	250 fps

ADDITIONAL FACTS

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



DODIC	NAME	WEAPON
B505	M662	M79, M203, M320 Grenade Launchers

M585 WS

White Star Cluster

SYSTEM CHARACTERISTICS

LENGTH	5.268 in
WEIGHT	186 g
BURST HEIGHT	167 m
RATE OF FIRE	Single Shot
MUZZLE VELOCITY	250 fps

ADDITIONAL FACTS

- Individual stars burn for approximately 7 seconds minimum
- Illumination and signaling round designed for less weight and bulk and greater accuracy than comparable handheld signals
- Candlepower 55,000 candela
- Five raised dots and “W” on Ogive identify color and type of cartridge
- 22 rounds per metal can
- 2 cans per wirebound



DODIC	NAME	WEAPON
B536	M585	M79, M203, M320 Grenade Launchers

M781 TP

Target Practice

SYSTEM CHARACTERISTICS

LENGTH	4.05 in
WEIGHT	205 g
MAX. RANGE	400 m
RATE OF FIRE	Single Shot
MUZZLE VELOCITY	250 fps

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	M79, M203, M320 Grenade Launchers

| Notes |







Photo: Sgt. Tayler Schwamb

LARGE CALIBER AMMUNITION

105mm. **98**

120mm. **110**

LARGE CALIBER AMMUNITION

105mm



DODIC	AMMO ROUND	PAGE
CA40	M1040	100
CA32	M393A3 HEP-T	101
C510	M467 TP-T	102
C503	M393A1 TP-T	103
CA37	M467A1 TP-T	104
C508	M456A2 HEAT-T	105
C511	M490A1 TP-T	106
C543	M900 APFSDS-T	107
C520	M724A1 TPDS-T	108
CA58	M724A2 TPDS-T	109

REFERENCES:

TM 43-0001-28, Army Ammunition Data Sheets (2018)

TM 9-2355-321-10-4, Operator Manual for Mobile Gun Systems (MGS) M1128 (2019)

M1040

Canister

SYSTEM CHARACTERISTICS

HEIGHT	34.33 in (872 mm)
WEIGHT	52.69 lb (23.9 kg)
MUZZLE VELOCITY	3415 f/s (1041 m/s)
PAYLOAD	2080 Tungsten Spheres
FUZE	None
PACKING CONTAINER*	PA117 (72 lb/32.66 kg)

*30 containers per pallet

ADDITIONAL FACTS

Target Set:

- Troops in the Open
- Anti-Material against Technical Trucks
- Adobe-Type Walls (Close-in)
- Surface Laid Obstacles

Effective Range: 300 m

Announced as: "CAN"



DODIC	NAME	WEAPON
CA40	M1040	105mm Gun on Mobile Gun System (MGS)

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 f/s (753 m/s)
PAYLOAD	6.6 lb (3.0 kg) Comp A3
FUZE	Dual Safe
PACKING CONTAINER*	PA117 (68 lb/30.84 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
CA32	M393A3	105mm Gun on Mobile Gun System (MGS)

105MM

LARGE CALIBER AMMUNITION

M467 TP-T

Target Practice with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	37.0 in (940 mm)
WEIGHT	45 lb (20.4 kg)
MUZZLE VELOCITY	2400 f/s (731.5 m/s)
PAYLOAD	Inert
FUZE	None
PACKING CONTAINER*	Wood Box (137 lb/62.14 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
C510	M467	105mm Gun on Mobile Gun System (MGS)

M393A1 TP-T

Target Practice with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	37.0 in (940 mm)
WEIGHT	45 lb (20.4 kg)
MUZZLE VELOCITY	2400 f/s (731.5 m/s)
PAYLOAD	Inert
FUZE	None
PACKING CONTAINER*	Wood Box (137 lb/62.14 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
C503	M393A1	105mm Gun on Mobile Gun System (MGS)

105MM

LARGE CALIBER AMMUNITION

M467A1 TP-T

Target Practice with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	37 in (940 mm)
WEIGHT	43.5 lb (20 kg)
MUZZLE VELOCITY	2470 f/s (753 m/s)
PAYLOAD	None
FUZE	None
PACKING CONTAINER*	PA117 (68 lb/30.84 kg)

*30 containers per pallet

ADDITIONAL FACTS

Target Set:

- Training Targets (wall, bunker, light armor)

Effective Range: 2000 m

Announced as: "HEP"



DODIC	NAME	WEAPON
CA37	M467A1	105mm Gun on Mobile Gun System (MGS)

M456A2 HEAT-T

High Explosive Anti-Tank with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	39.6 in (1005.8 mm)
WEIGHT	49 lb (22.27 kg)
MUZZLE VELOCITY	3850 f/s (1173 m/s)
PAYLOAD	2.14 lb (.97 kg) Comp B
FUZE	M509A1
PACKING CONTAINER*	Wood Box (141 lb/63.96 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
C508	M456A2	105mm Gun on Mobile Gun System (MGS)

105MM

LARGE CALIBER AMMUNITION

M490A1 TP-T

Target Practice with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	39.34 in (999.28 mm)
WEIGHT	45.81 lb (20.78 kg)
MUZZLE VELOCITY	3850 f/s (1173 m/s)
PAYLOAD	Inert
FUZE	None
PACKING CONTAINER*	Wood Box (132 lb/ 59.87 kg) or Crate

*30 rounds per pallet or 39 round crate

ADDITIONAL FACTS

Target Set:

- Training Targets (Light Armor, Heavy Armor, Bunkers)

Effective Range: 2000 m

Announced as: "HEAT"



DODIC	NAME	WEAPON
C511	M490A1	105mm Gun on Mobile Gun System (MGS)

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 f/s (1505 m/s)
PAYLOAD	Depleted Uranium
FUZE	None
PACKING CONTAINER*	PA117 (57.8 lb/26.22 kg)

*30 rounds per pallet

ADDITIONAL FACTS

Target Set:

- Heavy Armor

Effective Range: 3000 m

Announced as: "SABOT"



DODIC	NAME	WEAPON
C543	M900	105mm Gun on Mobile Gun System (MGS)

105MM

LARGE CALIBER AMMUNITION

M724A1 TPDS-T

Target Practice Discarding Sabot with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	33 in (838 mm)
WEIGHT	32 lb (14.5 kg)
MUZZLE VELOCITY	5080 f/s (1548 m/s)
PAYLOAD	Inert
FUZE	None
PACKING CONTAINER*	Wood Box (107 lb/48.53 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 Gun on Mobile Gun System (MGS)

M724A2 TPDS-T

Target Practice Discarding Sabot with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	39.48 in (1003 mm)
WEIGHT	34.96 lb (15.858 kg)
MUZZLE VELOCITY	5151 f/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"



105MM

LARGE CALIBER AMMUNITION

DODIC	NAME	WEAPON
CA58	M724A2	105mm Gun on Mobile Gun System (MGS)

LARGE CALIBER AMMUNITION

120mm



DODIC	AMMO ROUND	PAGE
CA38	M1028	112
C791	M830A1 HEAT-MP-T	113
CA05	M908 HE-OR-T	114
CA31	M1002 TPMP-T	115
C787	M830 HEAT-MP-T	116
C784	M831A1 TP-T	117
C792	M829A2	118
CA26	M829A3 APFSDS-T	119
CA64	M829A4 APFSDS-T	120
C785	M865 TPCSDS-T	121

All 120mm ammunition utilizes a Combustible Cartridge Case (CCC) which is consumed during firing.

ADDITIONAL REFERENCES:

TM 43-0001-28, Army Ammunition Data Sheets (2016)

TM 9-2350-388-10-1/4, Tank, Combat, Full-Track: 120mm GUN, M1A2 System Enhancement Package Version 2 (SEPV2) (2018)

M1028

Canister

SYSTEM CHARACTERISTICS

HEIGHT	30.67 in (779 mm)
WEIGHT	50.5 lb (22.9 kg)
MUZZLE VELOCITY	4626 f/s (1410 m/s)
PAYLOAD	1100 Tungsten Spheres
FUZE	None
PACKING CONTAINER*	PA171 (75.0 lb/34.02 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.



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

M830A1 HEAT-MP-T

High-Explosive Anti-Tank
Multi-Purpose with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	38.74 in (984 mm)
WEIGHT	50.1 lb (22.7 kg)
MUZZLE VELOCITY	4626 f/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:

- Buildings and bunkers
- Light armored vehicles (Secondary Armor Defeat round)
- Anti-helicopter self-defense capability

Effective Range: 3000 m

Announced as: "MPAT/MPAT AIR"

Improved Hit Probability.



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	38.74 in (984 mm)
WEIGHT	50.1 lb (22.7 kg)
MUZZLE VELOCITY	4626 f/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.



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

M1002 TPMP-T

Target-Practice Multi-Purpose with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	38.5 in (978 mm)
WEIGHT	49.92 lb (22.7 kg)
MUZZLE VELOCITY	4511 f/s (1375 m/s)
PAYLOAD	Inert
FUZE	None
PACKING CONTAINER*	PA116 (71 lb/32.27 kg)

*30 containers per pallet

ADDITIONAL FACTS

Target Set:

Training wood targets (Armor, Light Armor, helicopter)

Effective Range: 3000 m

Announced as: "MPAT/MPAT AIR"

Air/Ground switch for familiarization training.

Small quantity incorporating a frangible nose to reduce out of range ricochet.



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

120MM

LARGE CALIBER AMMUNITION

M830 HEAT-MP-T

High-Explosive Anti-Tank Multi-Purpose
with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	38.62 in (981 mm)
WEIGHT	53.4 lb (24.2 kg)
MUZZLE VELOCITY	3740 f/s (1139.9 m/s)
PAYLOAD	Comp A3, Type II
FUZE	M764
PACKING CONTAINER*	PA116 (76.4 lb/34.65 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"



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

M831A1 TP-T

Target-Practice with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	38.62 in (981 mm)
WEIGHT	50.5 lb (22.9 kg)
MUZZLE VELOCITY	3740 f/s (1140 m/s)
PAYLOAD	Inert
FUZE	None
PACKING CONTAINER*	PA116 (73 lb/33.11 kg)

*30 containers per pallet

ADDITIONAL FACTS

Target Set:

Training wood targets (Armor, Light Armor)

Effective Range: 2000 m

Announced as: "HEAT"



120MM

LARGE CALIBER AMMUNITION

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

M829A2

SYSTEM CHARACTERISTICS

HEIGHT	38.74 in (984 mm)
WEIGHT	44.88 lb (20.36 kg)
MUZZLE VELOCITY	5512 f/s (1680 m/s)
PAYLOAD	Depleted Uranium
FUZE	None
PACKING CONTAINER*	PA116 (66.1 lb/29.98 kg)

*30 containers per pallet

ADDITIONAL FACTS

Target Set:

- Modern tanks (Heavy armor)

Effective Range: 4000 m

Announced as: "SABOT"

Lightweight composite sabot.



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

M829A3 APFSDS-T

Armor-Piercing Fin-Stabilized
Discarding Sabot with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	38.74 in (984 mm)
WEIGHT	56 lb (25.4 kg)
MUZZLE VELOCITY	5101.7 f/s (1555 m/s)
PAYLOAD	Depleted Uranium
FUZE	None
PACKING CONTAINER*	PA171 (72 lb/33 kg)

*30 containers per pallet

ADDITIONAL FACTS

Target Set:

- Modern tanks with Explosive Reactive Armor (ERA)

Effective Range: 4000 m

Announced as: "SABOT"

Lightweight composite sabot.



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

120MM

LARGE CALIBER AMMUNITION

M829A4 APFSDS-T

Armor-Piercing Fin-Stabilized
Discarding Sabot with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	38.74 in (984 mm)
WEIGHT	52 lb (23.64 kg)
MUZZLE VELOCITY	5413 f/s (1650 m/s)
PAYLOAD	Depleted Uranium
FUZE	None
PACKING CONTAINER*	PA171 (73 lb/33.2 kg)

*30 containers per pallet

ADDITIONAL FACTS

Target Set:

- Modern tanks with Explosive Reactive Armor (ERA) and Active Protection Systems (APS).

Effective Range: 4000 m

Announced as: "SABOT"

Optimized with Ammunition Data Link (ADL) Lightweight composite sabot and advanced penetrator.



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

M865 TPCSDS-T

Target-Practice Cone Stabilized
Discarding Sabot with Tracer

SYSTEM CHARACTERISTICS

HEIGHT	34.69 in (881 mm)
WEIGHT	37.48 lb (17 kg)
MUZZLE VELOCITY	5577 f/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.

Uses Advanced Case System (ACS).



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



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