



DIRECT FIRE AMMUNITION
HANDBOOK
| 2019 |

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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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SMALL CALIBER AMMUNITION

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SMALL CALIBER AMMUNITION

5.56MM



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A059	M855 Ball	8
A062		
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A064		
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A066		
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AC10		



M855

BALL

SYSTEM CHARACTERISTICS

HEIGHT	2.248"
WEIGHT	190 gr
VELOCITY	3020 fps @ 78'
DISPERSION	6.8" @ 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

SYSTEM CHARACTERISTICS

HEIGHT	2.248"
WEIGHT	191 gr
VELOCITY	2990 fps @ 78'
DISPERSION	≤10.3" @ 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



5.56MM

SMALL CALIBER AMMUNITION

DODIC	NAME	WEAPON
A063	Trace M856	M4, M4A1, M16A2/A4
A064	4 Ball M995/1 Trace M856 w/M27 Link	M249 SAW



M193

BALL

SYSTEM CHARACTERISTICS

HEIGHT	2.248"
WEIGHT	182 gr
VELOCITY	3165 fps @ 78'
DISPERSION	2" @ 300 m (M16A4)

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

SYSTEM CHARACTERISTICS

HEIGHT	1.9"
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



5.56MM

SMALL CALIBER AMMUNITION

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"
WEIGHT	185 gr
VELOCITY	3324 fps @ 78'
DISPERSION	<7.0" @ 600 yd

ADDITIONAL FACTS

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

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

SYSTEM CHARACTERISTICS

HEIGHT	2.248"
WEIGHT	190 gr
VELOCITY	3070 fps @ 78'
DISPERSION	<6.3" @ 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)



5.56MM

SMALL CALIBER AMMUNITION

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"
WEIGHT	176 gr
VELOCITY	3100 fps @ 78'
DISPERSION	<6.3" @ 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

M862 SRTA

SHORT RANGE TRAINING AMMUNITION

SYSTEM CHARACTERISTICS

HEIGHT	2.03"
WEIGHT	108 gr
VELOCITY	4356 fps @ 15'
DISPERSION	Mean radius 1.18" @ 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



5.56MM

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"
WEIGHT	165 gr
VELOCITY	2605 fps @ 78'
DISPERSION	<3.54" @ 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"
WEIGHT	234.5 gr
VELOCITY	N/A

ADDITIONAL FACTS

- Training unique round, not used in combat

DODIC

A111

NAME

Blank M82 w/M13 Link

WEAPON

M240 Series
Machine Guns

M82A1

CEREMONIAL BLANK

SYSTEM CHARACTERISTICS

HEIGHT	2.623"
WEIGHT	234.5 gr
VELOCITY	N/A

ADDITIONAL FACTS

- Used for saluting for ceremonial applications (M14 rifle)

7.62MM

SMALL CALIBER AMMUNITION



DODIC

AB72

NAME

Blank M82A1, Bottlenose

WEAPON

M14



M80

BALL

SYSTEM CHARACTERISTICS

HEIGHT	2.80"
WEIGHT	392 gr
VELOCITY	2750 fps @ 78'
DISPERSION	Mean radius <7.5" @ 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

SYSTEM CHARACTERISTICS

HEIGHT	2.80"
WEIGHT	392 gr (M80) 383 gr (M62)
VELOCITY	2750 fps @ 78' (M80) 2670 ps @ 78' (M62)
DISPERSION	Mean radius <7.5" @ 600 yd (M80) Mean radius <15" @ 600 yd (M62)

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



7.62MM

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"
WEIGHT	392 gr (M80) 383 gr (M62)
VELOCITY	2750 fps @ 78' (M80) 2670 fps @ 78' (M62)
DISPERSION	Mean radius <7.5" @ 600 yd (M80) Mean radius <15" @ 600 yd (M62)

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/OHFM240 Series
Machine Guns

A166

Ball M80 w/M13 Link
f/OHFM240 Series
Machine Guns

M80 | M276

BALL | DIM TRACE

SYSTEM CHARACTERISTICS

HEIGHT	2.80"
WEIGHT	392 gr (M80) 381 gr (M276)
VELOCITY	2750 fps @ 78' (M80) 2670 fps @ 78' (M276)
DISPERSION	Mean radius <7.5" @ 600 yd (M80) Mean radius <15" @ 600 yd (M276)

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



7.62MM

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"
WEIGHT	263 gr
VELOCITY	2985 fps @ 78'
DISPERSION	Mean radius <6.0" @ 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

SYSTEM CHARACTERISTICS

HEIGHT	2.83"
WEIGHT	390 gr
VELOCITY	2575 fps @ 78'
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



7.62MM

SMALL CALIBER AMMUNITION

DODIC

AA11

NAME

Ball M118, Long Range
(Carton Pack)

WEAPON

M14, M24, M110; M40
USMC Series Rifles

M80A1 | M62A1

BALL | TRACE

SYSTEM CHARACTERISTICS

HEIGHT	2.80"
WEIGHT	374 gr
VELOCITY	2,925 fps @ 78' (M80A1) 2,895 fps @ 78' (M62A1)

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
AB79	Ball M80A1 w/M13 Link	M240 Machine Gun
AB82	Ball M80A1 (20 Round Carton Pack)	M110A1 Rifle
AB86	4 Ball M80A1/1 Trace M62A1 w/M13 Link	M240 Machine Gun

SYSTEM CHARACTERISTICS

DISPERSION Mean radius <6.5"
 @ 600 yd (M80A1)
 Mean radius <15"
 @ 600 yd (M62A1)

ADDITIONAL FACTS

- 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"
WEIGHT	300 gr
VELOCITY	2729 fps @ 78'
DISPERSION	Mean radius <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 SRTA Trace	42



M33

BALL

SYSTEM CHARACTERISTICS

HEIGHT	5.45"
WEIGHT	1782 gr
VELOCITY	2905 fps @ 78'
DISPERSION	Mean radius <12.0" @ 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**A555****NAME****Ball M33 w/M9 Link****WEAPON****M2, M2A1,
M3 Machine Gun**

M33 | M17

BALL | TRACE

SYSTEM CHARACTERISTICS

HEIGHT	5.45"
WEIGHT	1782 gr (M33) 1718 gr (M17)
VELOCITY	2905 fps @ 78'
DISPERSION	Mean radius <12.0" @ 600 yd (M33/M17)

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



.50 CAL

SMALL CALIBER AMMUNITION

DODIC

A557

NAME

**4 Ball M33/1 Trace M17
w/M9 Link**

WEAPON

M2/M3 Machine Gun



M8 API | M20 API-T

ARMOR PIERCING INCENDIARY | TRACE

SYSTEM CHARACTERISTICS

HEIGHT	5.45"
WEIGHT	1784.5 gr (M8) 1738 gr (M20)
VELOCITY	2905 fps @ 78'
DISPERSION	Average maximum mean radius <12.0" @ 600 yd (M8/M20)

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

A576

NAME

4 API M8/1 API-T M20
w/M9 Link

WEAPON

M2, M2A1, M3 Machine
Gun, M107 Rifle

M1A1

BLANK

SYSTEM CHARACTERISTICS

HEIGHT	3.91"
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)



.50 CAL

SMALL CALIBER AMMUNITION

DODIC

A598

NAME

Blank M1A1 w/M9 Link

WEAPON

M2, M2A1, M3
Machine Guns



MK211

MULTI PURPOSE MOD 0

SYSTEM CHARACTERISTICS

HEIGHT	5.45"
WEIGHT	1765 gr
VELOCITY	2905 fps @ 78'
DISPERSION	Mean radius Mod 0 <6" @ 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**A606****NAME****MK211 Mod 0 Multi-Purpose
Sniper Round (Bulk Pack)****WEAPON****M107, M82,
Sniper Rifles**

MK211 | M20 API-T

MOD I | ARMOR PIERCING
INCENDIARY-TRACE

SYSTEM CHARACTERISTICS

HEIGHT	5.45"
WEIGHT	1765 gr
VELOCITY	2905 fps @ 78'
DISPERSION	Mean radius <12.0" @ 600 yd (MK211 Mod 1) <12.0" @ 600 yd (M20 API-T)

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



.50 CAL

SMALL CALIBER AMMUNITION

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"
WEIGHT	1784.5 gr (M8) 1718 gr (MK257)
VELOCITY	2905 fps @ 78'
DISPERSION	Mean radius <12" @ 600 yd (M8/MK257)

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

M903 | M962 SLAP

SABOTED LIGHT ARMOR PENETRATOR | TRACE

SYSTEM CHARACTERISTICS

HEIGHT	5.45"
WEIGHT	1466 gr
VELOCITY	4000 fps @ 78'
DISPERSION	Mean radius <18" @ 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



.50 CAL

SMALL CALIBER AMMUNITION

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"
WEIGHT	460 gr
VELOCITY	2790 fps @ 78'
DISPERSION	Mean radius <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**A602****NAME****4 SRTA M858/1 SRTA-T M860****WEAPON****M2, M2A1, M3
Machine Gun with
Recoil Amplifier**

| NOTES |

SMALL CALIBER AMMUNITION

MISC.



DODIG	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 O Ball	53

M882

9MM BALL PISTOL AMMUNITION

SYSTEM CHARACTERISTICS

HEIGHT	1.165"
WEIGHT	190 gr
VELOCITY	1230 fps @ 15'
DISPERSION	Mean radius <1.5" @ 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"
WEIGHT 147 gr
VELOCITY 975 fps

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



Misc.

SMALL CALIBER AMMUNITION

DODIC

A260

NAME

MK243 Mod 0 Jacketed Hollow Point (JHP)

WEAPON

M9, M11, MP5

XM1153

9MM BALL PISTOL AMMUNITION

SYSTEM CHARACTERISTICS

HEIGHT	1.130"
WEIGHT	210 gr
VELOCITY	1000 fps @ 15'
DISPERSION	Mean radius <1.5" @ 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"
WEIGHT 12.8 gr
VELOCITY 1325 fps @ 3'

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



Misc.

SMALL CALIBER AMMUNITION

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"
WEIGHT	617 gr
VELOCITY	1148 fps @ 3'

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 pellets supported by plastic wad
- Fits current standard military 12 gauge

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

DDI

DUMMY, DRILLED & INERT

SYSTEM CHARACTERISTICS

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



Misc.

SMALL CALIBER AMMUNITION

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	71.8 gr Ctg.; 7.7 gr Projectile (M1041)
	94.86 gr Ctg.; 6.9 gr Projectile (M1042)
	147.8 gr Ctg.; 6.9 gr Projectile (M1071)
VELOCITY	575 fps M9; 491 fps M11 (M1041)
	483 fps M16; 428 fps M4, M4A1 (M1042)
	441 fps M249 (M1071)
DROP	1' drop 8 m from muzzle (M1041)
	1' drop 23 m (M1042/M1071)

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"
WEIGHT	445 gr
VELOCITY	3000 fps @ 15'
DISPERSION	Extreme spread <4.71" @ 300 yd

ADDITIONAL FACTS

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



Misc.

SMALL CALIBER AMMUNITION

DODIC

A191

NAME

Ball .300 Win Mag Mod 0
(Carton Pack)

WEAPON

M2010 Enhanced
Sniper Rifle





MEDIUM CALIBER AMMUNITION

20 & 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"
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
- Belted with MK7 link; 100 linked cartridges per M548 container

DODIC

AB07

NAME

M940 MPT-SD

WEAPON

**Land-based Phalanx
Weapon System (LPWS)**

M791 APDS-T

ARMOR PIERCING DISCARDING SABOT
WITH TRACER

SYSTEM CHARACTERISTICS

LENGTH 8.8"
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



25MM

MEDIUM CALIBER AMMUNITION

DODIC

A974

NAME

M791 APDS-T

WEAPON

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"
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

A975

NAME

M792 HEI-T

WEAPON

**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"
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



25MM

MEDIUM CALIBER AMMUNITION

DODIC

A976

NAME

M793 TP-T

WEAPON

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"
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

A967

NAME

M794 Dummy

WEAPON

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"
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



25MM

MEDIUM CALIBER AMMUNITION

DODIC

A940

NAME

M910 TPDS-T

WEAPON

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"
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**A986****NAME****M919****WEAPON**

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"
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**B118****NAME****M788****WEAPON**

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"
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



30x113mm

MEDIUM CALIBER AMMUNITION

DODIC

NAME

WEAPON

B129

M789

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



M848

DUMMY

SYSTEM CHARACTERISTICS

LENGTH	7.9"
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**B133****NAME****M848****WEAPON**

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	11.42"
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**AC27****NAME****MK238 HEI-T****WEAPON****XM813 Weapon System**

MK239 TP-T

TARGET PRACTICE WITH TRACER

SYSTEM CHARACTERISTICS

LENGTH	11.4"
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



30x173mm

MEDIUM CALIBER AMMUNITION

DODIC	NAME	WEAPON
AC25	MK239 TP-T	XM813 Weapon System, Naval ships with MK44 cannon in MK46 Gun Weapon System (GWS)



MK258 MOD I APFSDS-T

ARMOR PIERCING FIN STABILIZED
DISCARDING SABOT WITH TRACER

SYSTEM CHARACTERISTICS

LENGTH	11.0"
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

AC26

NAME

MK258
APFSDS-T

WEAPON

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	11.4"
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



30x173mm

MEDIUM CALIBER AMMUNITION

DODIC	NAME	WEAPON
AC28	MK317 TPDS-T	XM813 Weapon System



MK310 MOD 0 PABM-T

PROGRAMMABLE AIR BURST
MUNITION WITH TRACER

SYSTEM CHARACTERISTICS

LENGTH	11.4"
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**AC47****NAME****MK310 PABM-T****WEAPON****XM813 Weapon System**

| NOTES |

MEDIUM CALIBER AMMUNITION

40MM 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"
WEIGHT	344 g
MAX. RANGE	2200 m
RATE OF FIRE	350 spm
MUZZLE VEL.	790 fps

ADDITIONAL FACTS

- High Explosive, Dual Purpose (HEDP), with Point Initiating, Base Detonating (PIBD) Fuze M549A1
- Inflicts personnel casualties in target area
- Penetrates 2.5" of steel armor
- Provides both armor piercing and anti-personnel
- Packed into PA120 cans (32 linked rounds)

DODIC**B542****NAME****M430A1****WEAPON****MK19 Mod 3 Grenade MG**

M918 TP

TARGET PRACTICE

SYSTEM CHARACTERISTICS

LENGTH	4.415"
WEIGHT	344 g
MAX. RANGE	2200 m
RATE OF FIRE	350 spm
MUZZLE VEL.	790 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



40MM HV

MEDIUM CALIBER AMMUNITION

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"
WEIGHT	344 g
MAX. RANGE	2200 m
RATE OF FIRE	350 spm
MUZZLE VEL.	790 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 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	4.068"
WEIGHT	230 g
MAX. RANGE	400 m
RATE OF FIRE	Single Shot
MUZZLE VEL.	247 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

B546

NAME

M433

WEAPON

**M79, M203, M320
Grenade Launchers**

M992 IR

INFRARED ILLUMINATION

SYSTEM CHARACTERISTICS

LENGTH 5.272"
WEIGHT 222 g
BURST HEIGHT 150–215 m
RATE OF FIRE Single Shot
MUZZLE VEL. 247 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



40MM LV

MEDIUM CALIBER AMMUNITION

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



M583A1 WS

WHITE STAR PARACHUTE

SYSTEM CHARACTERISTICS

LENGTH 5.272"
WEIGHT 222 g
BURST HEIGHT 150-215 m
RATE OF FIRE Single Shot
MUZZLE VEL. 247 fps

ADDITIONAL FACTS

- 30 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**B535****NAME****M583A1****WEAPON****M79, M203, M320
Grenade Launchers**

M661 GS

GREEN STAR PARACHUTE

SYSTEM CHARACTERISTICS

LENGTH	5.272"
WEIGHT	222 g
BURST HEIGHT	150–215 m
RATE OF FIRE	Single Shot
MUZZLE VEL.	247 fps

ADDITIONAL FACTS

- Illumination and signaling round designed for less weight and bulk and greater accuracy than comparable handheld signals
- 30 seconds burn time
- Parachute lowers candle at 7 fps
- Candlepower 8,000 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



40MM LV

MEDIUM CALIBER AMMUNITION

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



M662 RS

RED STAR PARACHUTE

SYSTEM CHARACTERISTICS

LENGTH 5.272"
WEIGHT 222 g
BURST HEIGHT 150–215 m
RATE OF FIRE Single Shot
MUZZLE VEL. 247 fps

ADDITIONAL FACTS

- 30 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**B505****NAME****M662****WEAPON****M79, M203, M320
Grenade Launchers**

M585 WS

WHITE STAR CLUSTER

SYSTEM CHARACTERISTICS

LENGTH 5.268"
WEIGHT 186 g
BURST HEIGHT 150–215 m
RATE OF FIRE Single Shot
MUZZLE VEL. 247 fps

ADDITIONAL FACTS

- Individual stars burn for approximately 5.5 seconds minimum
- Illumination and signaling round designed for less weight and bulk and greater accuracy than comparable handheld signals
- Candlepower 30,000 minimum
- Five raised dots and “W” on Ogive identify color and type of cartridge
- 22 rounds per metal can
- 2 cans per wirebound



40MM LV

MEDIUM CALIBER AMMUNITION

DODIC

NAME

WEAPON

B536

M585

**M79, M203, M320
Grenade Launchers**



M781 TP

TARGET PRACTICE

SYSTEM CHARACTERISTICS

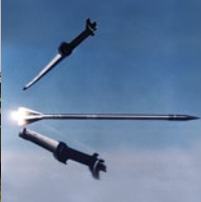
LENGTH	4.05"
WEIGHT	205 g
MAX. RANGE	400 m
RATE OF FIRE	Single Shot
MUZZLE VEL.	247 fps

ADDITIONAL FACTS

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

DODIC**B519****NAME****M781****WEAPON****M79, M203, M320
Grenade Launchers**

| NOTES |





LARGE CALIBER AMMUNITION

105mm.	98
120mm.	108

LARGE CALIBER AMMUNITION

105MM



DODIG	AMMO ROUND	PAGE
CA40	M1040	100
CA32	M393A3 HEP-T	101
CA37	M467A1 TP-T	102
C508	M456A2 HEAT-T	103
C543	M900 APFSDS-T	104
C511	M490A1 TP-T	105
CA58	M724A2 TPDS-T	106

105MM**LARGE CALIBER AMMUNITION**

M1040

CANISTER

SYSTEM CHARACTERISTICS

HEIGHT	872 mm
WEIGHT	23.9 kg
EFFECTIVE RANGE	300 m

ADDITIONAL FACTS

- Provides anti-personnel capability for Stryker Mobile Gun System (MGS)
- Provides 50% incapacitation of five men of ten man squad at a range of 100-300 m
- Disperses 2000 tungsten spheres
- Steel cartridge case

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

M393A3 HEP-T

HIGH-EXPLOSIVE PLASTIC WITH TRACER

SYSTEM CHARACTERISTICS

HEIGHT	940 mm
WEIGHT	20.46 kg
EFFECTIVE RANGE	2000 m

ADDITIONAL FACTS

- Designed to create openings in 8" double reinforced concrete walls so infantry can pass through and defeat bunkers, light armored vehicles, trucks and sniper positions
- Dual safe fuze
- Puts large amount of high explosive on target
- Replaces M393A2 HEP-T
- Steel cartridge case



105MM

LARGE CALIBER AMMUNITION

DODIC	NAME	WEAPON
CA32	M393A3	105mm Gun on Mobile Gun System (MGS)

105MM

LARGE CALIBER AMMUNITION



M467A1 TP-T

TARGET PRACTICE WITH TRACER

SYSTEM CHARACTERISTICS

HEIGHT	940 mm
WEIGHT	20.46 kg
EFFECTIVE RANGE	2000 m

ADDITIONAL FACTS

- Training cartridge for M393A3 HEP-T tactical cartridge
- Appearance and ballistics match to M393A3, 105mm High Explosive Plastic with Tracer (HEP-T)
- Steel cartridge case

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

M456A2 HEAT-T

HIGH EXPLOSIVE ANTI-TANK WITH TRACER

SYSTEM CHARACTERISTICS

HEIGHT	1005 mm
WEIGHT	22.23 kg
EFFECTIVE RANGE	2000 m

ADDITIONAL FACTS

- Point initiating, base detonating fuze initiated by an impact switch in an aluminum standoff spike
- Improved performance on irregular surfaces and graze functioning
- Shaped charge liner
- Employment, secondary armor defeating, lightly armored targets, and field fortifications
- Steel cartridge case



105mm

LARGE CALIBER AMMUNITION

DODIC	NAME	WEAPON
C508	M456A2	105mm Gun on Mobile Gun System (MGS)

105MM**LARGE CALIBER AMMUNITION**

M900 APFSDS-T

ARMOR PIERCING FIN STABILIZED
DISCARDING SABOT WITH TRACER

SYSTEM CHARACTERISTICS

HEIGHT	1003 mm
WEIGHT	18.50 kg
EFFECTIVE RANGE	3000 m

ADDITIONAL FACTS

- Armor Piercing, Fin Stabilized Discarding Sabot with Tracer
- Kinetic Energy (KE) cartridge
- Monolithic Depleted Uranium penetrator
- Employment, primary armor defeating round
- Steel cartridge case

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

M490A1 TP-T

TARGET PRACTICE WITH TRACER

SYSTEM CHARACTERISTICS

HEIGHT	999.24 mm
WEIGHT	20.78 kg
EFFECTIVE RANGE	2000 m

ADDITIONAL FACTS

- Ballistic match to M456 series
- Provides inexpensive training cartridge
- Steel cartridge case



105mm

LARGE CALIBER AMMUNITION

DODIC

NAME

WEAPON

C511

M490A1

**105mm Gun on Mobile
Gun System (MGS)**

105MM**LARGE CALIBER AMMUNITION**

M724A2 TPDS-T

TARGET PRACTICE DISCARDING SABOT
WITH TRACER

SYSTEM CHARACTERISTICS

HEIGHT	1003 mm
WEIGHT	15.77 kg
EFFECTIVE RANGE	2000 m

ADDITIONAL FACTS

- Provides inexpensive cartridge for training
- Provides Kinetic Energy (KE) training capability
- Ballistic match to M900 with limited flight distance to facilitate training at all gunnery ranges
- Steel cartridge case

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

| NOTES |

LARGE CALIBER AMMUNITION

120MM



DODIC	AMMO ROUND	PAGE
CA05	M908 HE-OR-T	110
C791	M830A1 HEAT-MP-T	111
CA38	M1028	112
CA26	M829A3 APFSDS-T	113
CA31	M1002 TPMP-T	114
C785	M865 TPCSDS-T	115
CA64	M829A4 APFSDS-T	116

120MM

LARGE CALIBER AMMUNITION



M908 HE-OR-T

HIGH-EXPLOSIVE OBSTACLE REDUCTION
WITH TRACER

SYSTEM CHARACTERISTICS

HEIGHT	984 mm
WEIGHT	22.7 kg
EFFECTIVE RANGE	3000 m

ADDITIONAL FACTS

- Provides enhanced performance against concrete obstacles
- 80 mm High-Explosive filled projectile with discarding sabot
- Combustible Cartridge Case (CCC)
- Identical to 120mm HEAT-MP-T, except fitted with steel nose in place of proximity switch
- Provides capability similar to M830A1 against buildings, bunkers and light armor
- Converted from M830A1 cartridges from inventory

DODIC
CA05

NAME
M908

WEAPON

120mm Cannon on M1A1/M1A2
series Abrams Main Battle Tanks

M830AI HEAT-MP-T

HIGH-EXPLOSIVE ANTI-TANK
MULTI-PURPOSE WITH TRACER

SYSTEM CHARACTERISTICS

HEIGHT 984 mm
WEIGHT 22.7 kg
EFFECTIVE RANGE 3000 m

ADDITIONAL FACTS

- Designed to defeat buildings, bunkers, light armored vehicles
- Self defense capability against helicopters
- 80 mm High-Explosive filled projectile with discarding sabot
- Combustible Cartridge Case (CCC)
- Radio Frequency (RF) proximity sensor mounted on nose to provide capability against helicopters
- Reduced Time of Flight (TOF)
- Improved Hit Probability



120mm

LARGE CALIBER AMMUNITION

DODIC

NAME

WEAPON

C791

M830A1

120mm Cannon on M1A1/M1A2
series Abrams Main Battle Tanks

120MM**LARGE CALIBER AMMUNITION**

M1028

CANISTER

SYSTEM CHARACTERISTICS

HEIGHT	779 mm
WEIGHT	22.9 kg
EFFECTIVE RANGE	<500 m

ADDITIONAL FACTS

- Designed to defeat personnel and thin skinned vehicles
- Effective against cinderblock walls, concertina wire and foliage
- Payload of ~1100 tungsten balls dispersed from projectile delivering a lethal spray of spheres on target
- Combustible Cartridge Case (CCC)
- Low collateral damage
- Fuzeless round

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

M829A3 APFSDS-T

ARMOR-PIERCING FIN-STABILIZED
DISCARDING SABOT WITH TRACER

SYSTEM CHARACTERISTICS

HEIGHT 984 mm

WEIGHT 22.2 kg

EFFECTIVE RANGE 4000 m

ADDITIONAL FACTS

- Designed to defeat modern tanks with Explosive Reactive Armor (ERA)
- “Depleted Uranium” (DU) Penetrator with enhanced properties
- Lightweight composite sabot
- Combustible Cartridge Case (CCC)
- Enhanced high density conventional propulsion system utilizing RPD-380 Propellant



120mm

LARGE CALIBER AMMUNITION

DODIC

NAME

WEAPON

CA26

M829A3

**120mm Cannon on M1A1/M1A2
series Abrams Main Battle Tanks**

120MM

LARGE CALIBER AMMUNITION



M1002 TPMP-T

TARGET-PRACTICE MULTI-PURPOSE
WITH TRACER

SYSTEM CHARACTERISTICS

HEIGHT	978 mm
WEIGHT	22.7 kg
EFFECTIVE RANGE	3000 m

ADDITIONAL FACTS

- Training cartridge for M830A1 HEAT-MP-T/ M908 HE-OR-T tactical cartridges
- Meets 8 km maximum range limitation
- Contains air/ground mode selector switch simulator on nose to provide for loader familiarization with switch setting operation on tactical cartridge
- Combustible Cartridge Case (CCC)

M1002 FRANGIBLE NOSE

A small quantity incorporating a frangible nose designed to reduce the risk of ricochet is available to support gunnery training in Korea.

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

M865 TPCSDS-T

TARGET-PRACTICE CONE STABILIZED
DISCARDING SABOT WITH TRACER

SYSTEM CHARACTERISTICS

HEIGHT	881 mm
WEIGHT	17 kg
EFFECTIVE RANGE	2500 m

ADDITIONAL FACTS

- Training cartridge for APFSDS-T tactical cartridges
- Discarding sabot, and unique cone stabilizer to limit safety fan required for tank gunnery
- Meets 8 km maximum range limitation
- Incorporates Advanced Case System (ACS) to provide safer round



120MM

LARGE CALIBER AMMUNITION

DODIC	NAME	WEAPON
C785	M865	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	984 mm
WEIGHT	25.4 kg
EFFECTIVE RANGE	4000 m

ADDITIONAL FACTS

- Designed to defeat modern tanks with Explosive Reactive Armor (ERA) and Active Protection Systems (APS)
- Ammunition Data Link (ADL) for bi-directional communication with firing platform
- Most advanced anti-tank cartridge currently in production in the world
- Advanced penetrator design
- Lightweight composite sabot
- Advanced Case System (ACS)
- Higher operating temperature (+63°C) compared to previous tactical rounds (+52°C)

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

| NOTES |



WARFIGHTER AMMUNITION INFORMATION PROGRAM

**Provides Ammunition Capabilities,
Information Briefings and Support
to the Warfighter**

**Subjects Include Direct Fire
Small, Medium and Large
Caliber Ammunition
5.56mm through 120mm**

**Warfighter Ammunition
Information Forum established
on “Warrior University”
Website through AKO
(www.warrioruniversity.army.mil)**

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