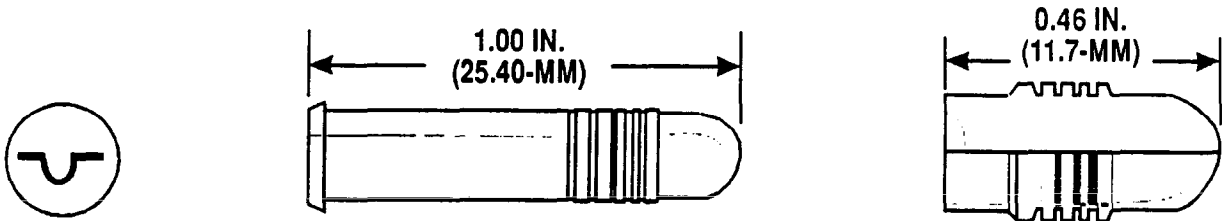


CHAPTER 3
CALIBER .22 CARTRIDGES

CARTRIDGE, CALIBER .22, BALL, LONG RIFLE



U
AR 5895

Type Classification:

STD - OTCM 36841.

Use:

Subcaliber Rifle M2A1; Winchester Models 52 and 75; Remington Models M40X and 513T; Machine Gun Trainers M3 and M4. The cartridge is intended for marksmanship practice and match use.

Description:

BALL Cartridge. The cartridge is grade match.

Tabulated Data:

DODAC----- 1305-A086
 UNO serial number ----- 0012
 UNO proper shipping
 name----- Cartridges for
 weapons, inert pro-
 jectile
 Weight ----- 52 gr
 Length----- 1 in. (25.4 mm)
 Tracer----- NA
 Primer----- Percussion
 (Rimfire)
 Fuze ----- NA

Explosive:

Type ----- NA
 Weight----- NA

Incendiary:

Type ----- NA
 Weight----- NA

Propellant:

Type ----- Smokeless powder
 Weight----- MBR

Performance:

Chamber pressure ----- 24,000 psi
 Velocity----- 1100 fps, 15 ft from
 muzzle

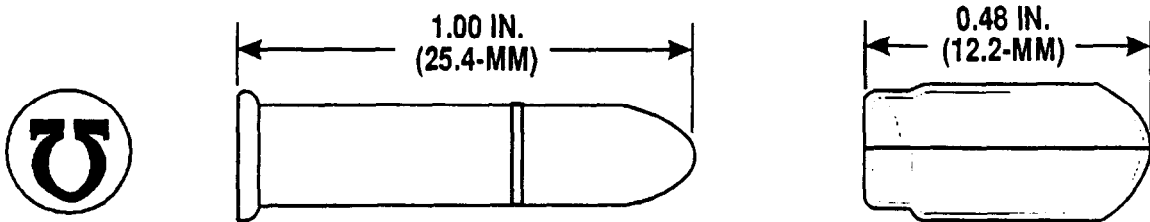
Shipping and Storage Data:

Quantity-distance class/
 SCG ----- 1.4S
 Storage code ----- Class V
 DOT shipping class ----- C
 DOT designation ----- SMALL ARMS
 AMMUNITION
 Drawing number ----- 7553931

References:

SB 700-20
 TM 9-1005-206-14P/4
 TM 9-1005-226-14
 TM 9-1300-206

CARTRIDGE, CALIBER .22, BALL, LONG RIFLE, M24



**U
AR 5893**

Type Classification:

OBS - MSR 11756003.

Use:

Subcaliber Rifle M2A1; Caliber .22 Rifle; Remington Models 40X and M513T; Steven's Model 416-2; Winchester Models 52 and 75; Machine Gun Trainers M3 and M4; pistols for gallery practice and training purposes. The cartridge is intended for use against small game for survival purposes.

Description:

BALL Cartridge.

Tabulated Data:

DODAC----- 1305-A086
 UNO serial number ----- 0012
 UNO proper shipping
 name----- Cartridges for
 weapons, inert pro-
 jectile
 Weight ----- 53 gr
 Length----- 1 in. (25.4 mm)
 Tracer----- NA
 Primer----- Percussion
 (Rimfire)
 Fuze ----- NA

Explosive:

Type ----- NA
 Weight ----- NA

Incendiary:

Type ----- NA
 Weight ----- NA

Propellant:

Type ----- Smokeless powder
 Weight ----- 2.5 gr

Projectile:

Weight ----- 40.5 gr

Performance:

Chamber pressure ----- 24,000 psi
 Velocity ----- 1185 fps, 15 ft from
 muzzle

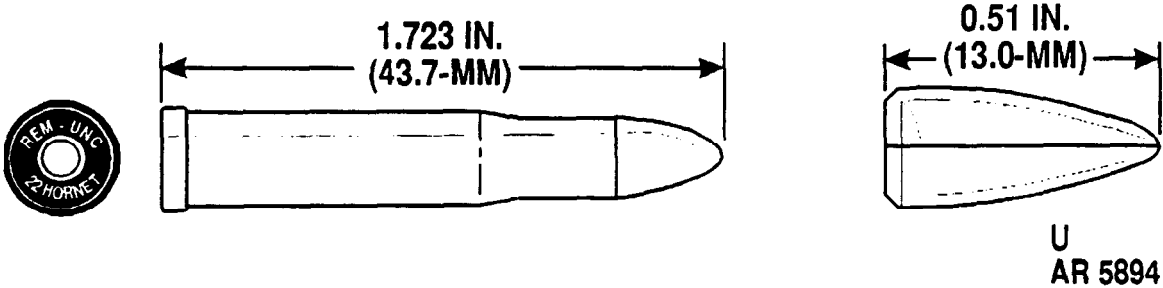
Shipping and Storage Data:

Quantity-distance class/
 SCG ----- 1.4S
 Storage code ----- Class V
 DOT shipping class ----- C
 DOT designation ----- SMALL ARMS
 AMMUNITION
 Drawing number ----- 7640995

References:

SB 700-20
 TM 9-1005-206-14P/4
 TM 9-1005-226-14
 TM 9-1300-206

CARTRIDGE, CALIBER .22, BALL, HORNET, M65



Type Classification:

OBS - MSR 11756003.

Use:

Caliber .22 Survival Weapons, M4 and M6. The cartridge is intended for use against small game.

Description:

BALL Cartridge.

Tabulated Data:

DODAC-----	1305-A088
UNO serial number -----	0012
UNO proper shipping name -----	Cartridges for weapons, inert projectile
Weight -----	103 gr
Length-----	1.723 in. (43.7 mm)
Tracer-----	NA
Primer-----	Percussion
Fuze-----	NA
Explosive:	
Type -----	NA
Weight-----	NA

Incendiary:

Type ----- NA
Weight ----- NA

Propellant:

Type ----- Smokeless powder
Weight----- 12.6 gr

Performance:

Chamber pressure ----- 43,000 psi
Velocity----- 2750 fps, 15 ft from muzzle

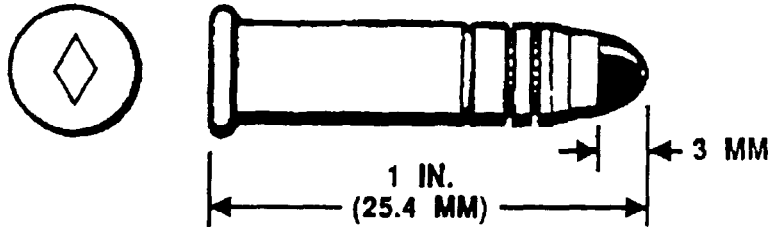
Shipping and Storage Data:

Quantity-distance class/SCG -----	1.4S
Storage code -----	Class V
DOT shipping class-----	C
DOT designation -----	SMALL ARMS AMMUNITION
Drawing number -----	7553664

References:

SB 700-20
TM 9-1005-206-14P/4
TM 9-1005-226-14
TM 9-1300-206

CARTRIDGE, CALIBER .22, TRACER, LONG RIFLE, M861



U
AR 5896

Type Classification:

STD - DA Letter.

Use:

Rifle M16A1 when adapted with the M261 Conversion Kit. The M861 cartridge, when fired from the rim-fired adapter M16A1 Rifle mounted on the Brewster Device, will increase the training proficiency in scaled range tank gunnery exercise by providing a visual display for tracking purposes.

Description:

TRACER Cartridge. The cartridge M861, .22 Caliber Long Rifle, rimfire with tracer is a commercially produced item, manufactured by Dynamit - Nobel AG. The M861 is designed to be fired in the M16A1 rifle when adapted with the M261 Conversion Kit. It can be fired in the automatic or semi-automatic modes. The tracer (red) is visible between 27 and 192 feet in daylight to allow the gunner to observe and sense the impact of the tracer with normal vision and sighting devices when fired on the scaled range. The M861 is identified by a red painted tip.

Tabulated Data:

DODAC----- 1305-A090
UNO serial number ----- 0012

UNO proper shipping

name-----	Cartridges for weapons, inert projectile
Weight-----	48 gr
Length-----	1 in. (25.4 mm)
Tracer-----	NA
Primer-----	Percussion (Rimfire)
Fuze-----	NA
Explosive:	
Type-----	NA
Weight-----	NA
Incendiary:	
Type-----	NA
Weight-----	NA
Propellant:	
Type-----	Smokeless powder
Weight-----	2.5 gr

Performance:

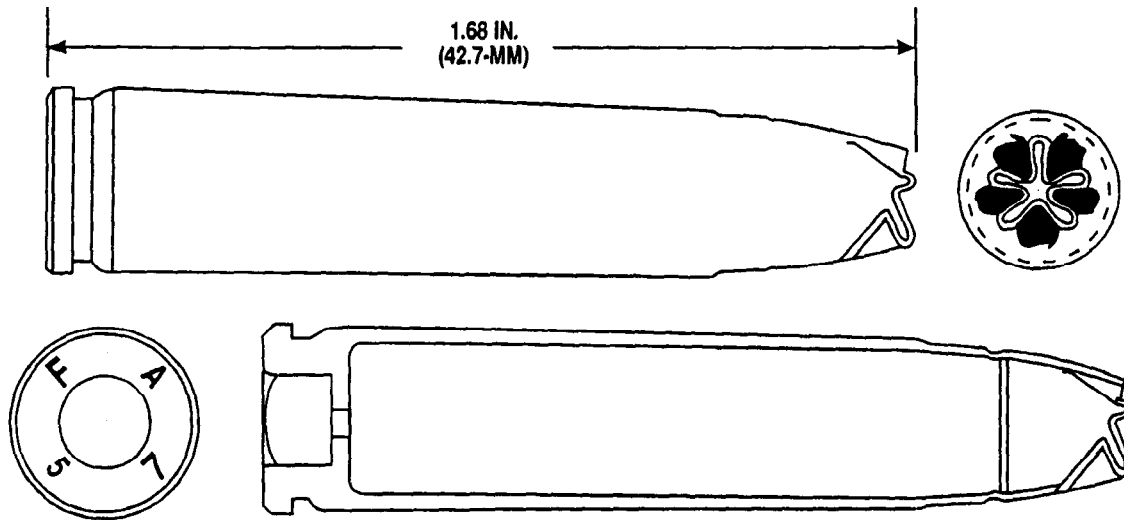
Chamber pressure-----	24,000 psi
Velocity-----	990.75 fps, 302 m/s

Shipping and Storage Data:

Quantity-distance class/	
SCG-----	1.4S
Storage code-----	Class V
DOT shipping class-----	C
DOT designation-----	SMALL ARMS AMMUNITION
Drawing number-----	9343015

CHAPTER 4
CALIBER .30 CARBINE CARTRIDGES

CARTRIDGE, CALIBER .30, CARBINE, GRENADE, M6



U
AR 5898

Type Classification:

OBS - MSR 11756003.

Use:

Caliber .30, Carbine, M1 or M2. The cartridge is currently used as a blank cartridge. The cartridge provides pressure to project grenades by using a grenade projection adapter.

Description:

GRENADE Cartridge. The cartridge identified by the rose-petal (rosette-crimp) closure of the cartridge case mouth.

Tabulated Data:

DODAC-----	1330-G837
UNO serial number -----	0014
UNO proper shipping name-----	Cartridges for weapons, blank
Weight -----	103 gr
Length-----	1.68 in. (42.7 mm)
Tracer-----	NA
Primer-----	Percussion
Fuze-----	NA

Explosive:

Type ----- NA
Weight----- NA

Incendiary:

Type ----- NA
Weight----- NA

Propellant:

Type ----- IMR 4809 and
black powder
Weight----- 21 gr

Performance:

Chamber pressure ----- NA
Velocity----- 145 fps, 5 ft from
muzzle of projectile
grenade

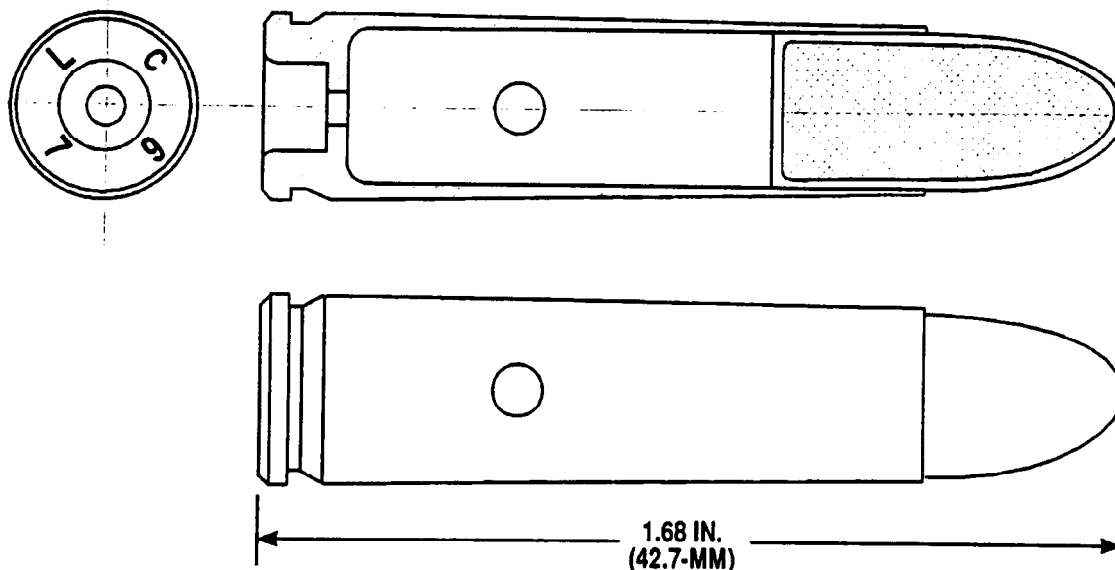
Shipping and Storage Data:

Quantity-distance class/ SCG -----	1.4S
Storage code -----	Class V
DOT shipping class-----	C
DOT designation -----	SMALL ARMS AMMUNITION
Drawing number -----	6181079

References:

SB 700-20
TM 9-1300-206

CARTRIDGE, DUMMY, CALIBER .30, CARBINE, M13



U
AR 5899

Type Classification:

OBS - MSR 11756003.

Use:

Caliber .30, Carbine, M1 or M2. The cartridge is completely inert and is used for practice in loading weapons, for simulated firing to detect flinching of personnel when firing, and for inspecting and testing the mechanisms of the weapon.

Description:

DUMMY Cartridge. The cartridge is identified by two holes in the cartridge case and the absence of the primer.

Tabulated Data:

DODAC----- 1305-A186
 UNO serial number ----- 0339
 UNO proper shipping
 name----- Cartridges for
 weapons, inert pro-
 jectile
 Weight ----- 177 gr
 Length----- 1.68 in. (42.7 mm)

Tracer----- NA
 Primer----- NA
 Fuze----- NA
 Explosive:
 Type ----- NA
 Weight----- NA
 Incendiary:
 Type ----- NA
 Weight----- NA
 Propellant:
 Type ----- NA
 Weight----- NA

Performance:

Chamber pressure ----- NA
 Velocity----- NA

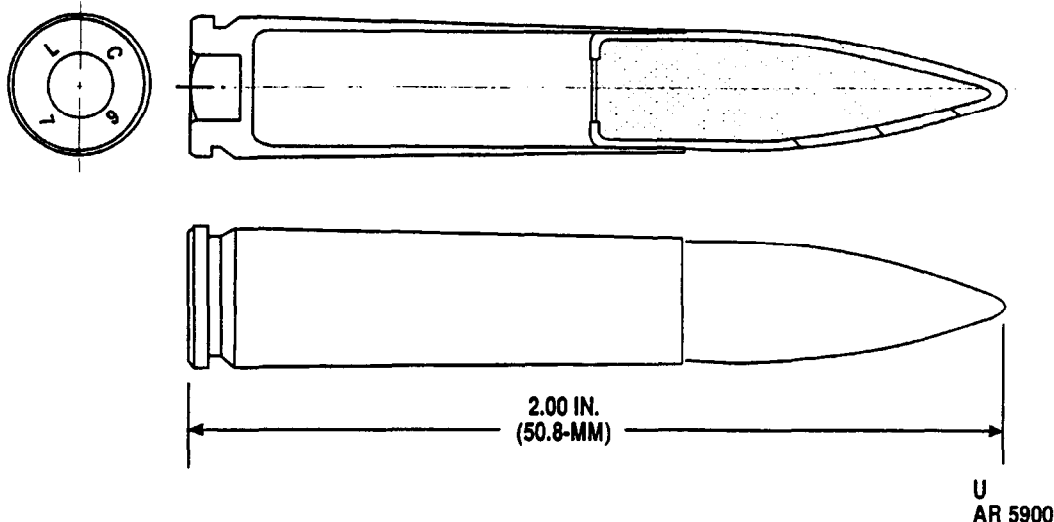
Shipping and Storage Data:

Quantity-distance class/
 SCG----- NA
 Storage code ----- NA
 DOT shipping class----- NA
 DOT designation ----- NONEXPLOSIVE
 AMMUNITION
 Drawing number ----- 6177513

References:

SB 700-20
 TM 9-1300-206

CARTRIDGE, CALIBER .30, CARBINE, BALL, HIGH PRESSURE TEST, M18



Type Classification:

STD - OTCM 36841.

Use:

Caliber .30, Carbine, M1 and M2. The cartridge is used for proof firing of caliber .30 carbine weapons during manufacture, test, or repair.

Description:

BALL Cartridge. The cartridge is identified by the stannic-stained (silvered) cartridge case.

Tabulated Data:

DODAC----- 1305-A185
 UNO serial number ----- 0012
 UNO proper shipping
 name----- Cartridges for
 weapons, inert pro-
 jectile
 Weight ----- 243 gr
 Length ----- 2 in. (50.8 mm)
 Tracer----- NA
 Primer----- Percussion
 Fuze ----- NA

Explosive:

Type ----- NA
 Weight----- NA

Incendiary:

Type ----- NA
 Weight----- NA

Propellant:

Type ----- HPC 5
 Weight----- 14 gr

Performance:

Chamber pressure ----- 47,500 psi
 Velocity ----- NA

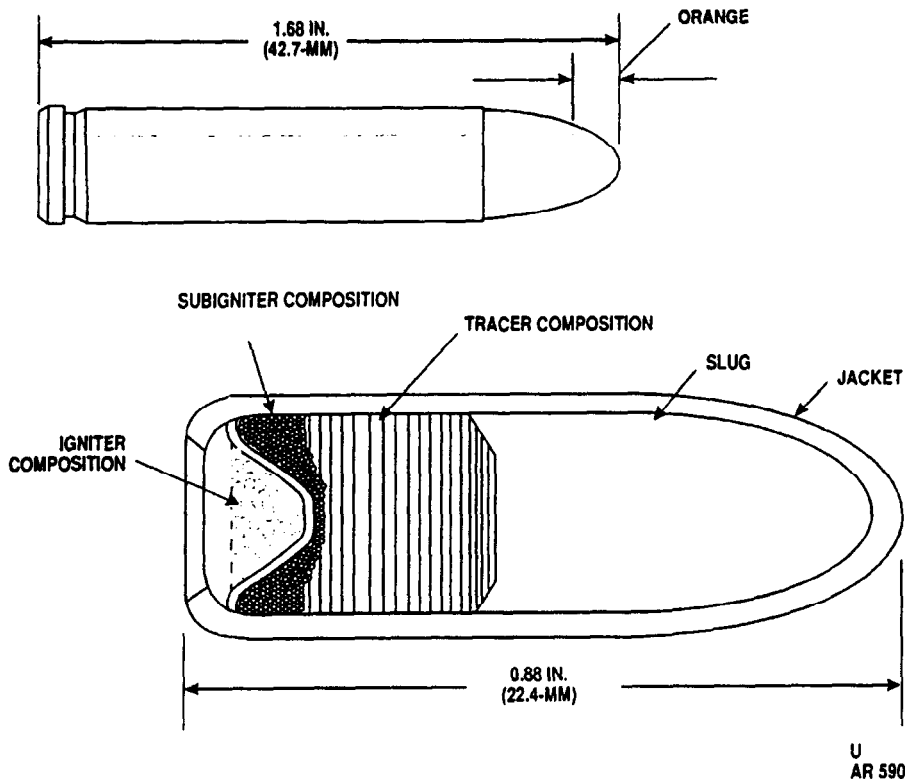
Shipping and Storage Data:

Quantity-distance class/
 SCG ----- 1.4S
 Storage code ----- Class V
 DOT shipping class ----- C
 DOT designation ----- SMALL ARMS
 AMMUNITION
 Drawing number ----- 6176267

References:

SB 700-20
 TM 9-1300-206

CARTRIDGE, CALIBER .30, CARBINE, TRACER, M27



Type Classification:

OBS - MSR 11756003.

Use:

Caliber .30, Carbine, M1 and M2.

Description:

TRACER Cartridge. The cartridge is identified by an orange bullet tip.

Function:

In flight, the bullet exhibits a visible trace of full luminosity from a point not greater than 100 yards from the muzzle of the weapon to a point not less than 400 yards from the muzzle.

Tabulated Data:

DODAC----- 1305-A183
 UNO serial number ----- 0012

UNO proper shipping

name-----	Cartridges for weapons, inert projectile
Weight-----	191 gr
Length-----	1.68 in. (42.7 mm)
Tracer-----	NA
Primer-----	Percussion
Fuze-----	NA
Explosive:	
Type-----	NA
Weight-----	NA
Incendiary:	
Type-----	NA
Weight-----	NA
Propellant:	
Type-----	WC 820
Weight-----	13 gr

Performance:

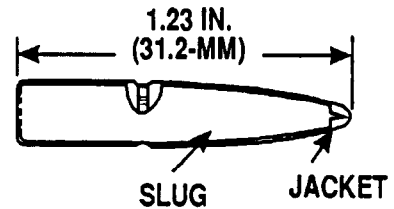
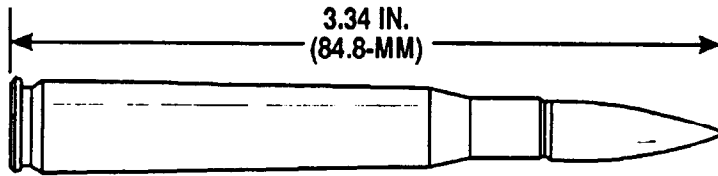
Chamber pressure-----	40,000 psi
Velocity-----	1800 fps, 53 ft from muzzle

Shipping and Storage Data:

Quantity-distance class/	
SCG-----	1.4S
Storage code-----	Class V

CHAPTER 5
CALIBER .30 RIFLE AND MACHINE GUN CARTRIDGES

CARTRIDGE, CALIBER .30, BALL, HIGH PRESSURE TEST, M1



U
AR 5903

Type Classification:

STD - OTCM 37119.

Use:

All caliber .30 weapons except carbines. The cartridge is used to proof test caliber .30 rifles and machine guns during manufacture, test, or repair.

Description:

BALL Cartridge. The cartridge is identified by stannic-stained (silvered) cartridge case.

Explosive:

Type ----- NA
Weight ----- NA

Incendiary:

Type ----- NA
Weight ----- NA

Propellant:

Type ----- IMR 4198
Weight ----- 52 gr

Performance:

Chamber pressure ----- 67,500 psi
Velocity ----- NA

Shipping and Storage Data:

Quantity-distance class/
SCG ----- 1.4S
Storage code ----- Class V
DOT shipping class ----- C
DOT designation ----- SMALL ARMS
AMMUNITION
Drawing number ----- 6016308

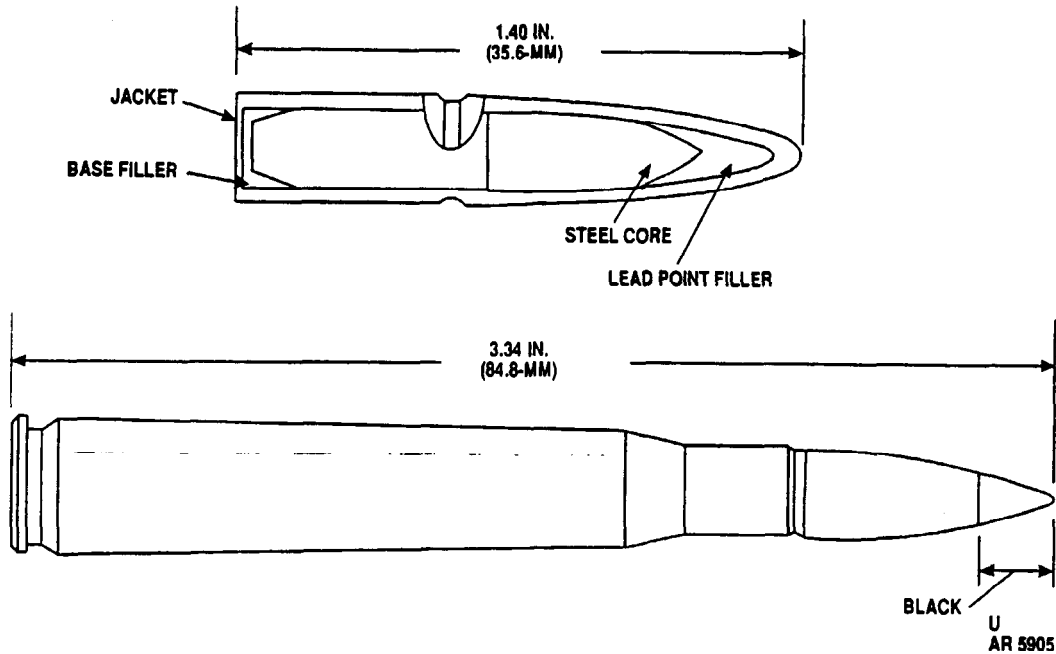
References:

SB 700-20
TM 9-1005-222-12P/1
TM 9-1300-206

Tabulated Data:

DODAC-----	1305-A237
UNO serial number -----	0012
UNO proper shipping name-----	Cartridges for weapons, inert projectile
Weight -----	432 gr
Length -----	3.34 in. (84.8 mm)
Tracer-----	NA
Primer -----	Percussion
Fuze -----	NA

CARTRIDGE, CALIBER .30, ARMOR PIERCING, M2



Type Classification:

OBS - MSR 11756003.

Use:

Machine Guns, Caliber .30, M37, M1919A4 and M1919A6; and Rifle, Caliber .30, M1.

Description:

ARMOR PIERCING Cartridge. The cartridge is identified by a black bullet tip.

Function:

Penetration, fired at 7/8-inch thick homogeneous armor plate at 100 yards, will be not less than 0.42 inch.

Tabulated Data:

DODAC----- 1305-A202
 UNO serial number ----- 0012
 UNO proper shipping name----- Cartridges for weapons, inert projectile
 Weight ----- 424 gr
 Length----- 3.34 in. (84.8 mm)
 Tracer----- NA
 Primer ----- Percussion
 Fuze ----- NA

Explosive:

Type ----- NA
 Weight ----- NA

Incendiary:

Type ----- NA
 Weight ----- NA

Propellant:

Type ----- WC 852
 Weight ----- 55 gr

Projectile:

Weight----- 165.7 gr

Performance:

Chamber pressure ----- 54,000 psi
 Velocity ----- 2715 fps, 78 ft from muzzle

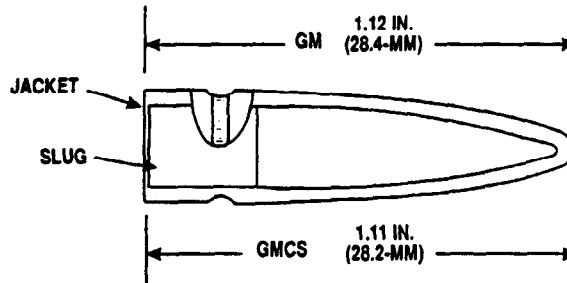
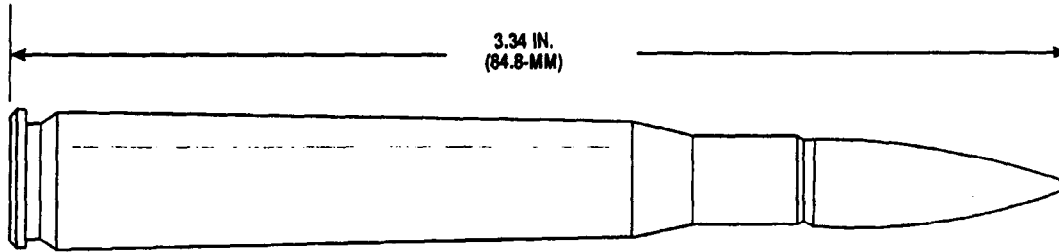
Shipping and Storage Data:

Quantity-distance class/
 SCG ----- 1.4S
 Storage code ----- Class V
 DOT shipping class ----- C
 DOT designation ----- SMALL ARMS AMMUNITION
 Drawing number ----- 6138194

References:

SB 700-20
 TM 1005-222-12P/1
 TM 9-1300-206

CARTRIDGE, CALIBER .30, BALL, M2



U
AR 5904

Type Classification:

OBS - MSR 11756003.

Use:

Machine Guns, Caliber .30, M37, M1919A4 and M1919A6; and Rifle, Caliber .30, M1. The cartridge is intended for use against personnel or unarmored targets.

Description:

BALL Cartridge. The cartridge is identified by a plain bullet tip.

Tabulated Data:

DODAC----- 1305-A212
 UNO serial number ----- 0012
 UNO proper shipping
 name----- Cartridges for
 weapons, inert pro-
 jectile
 Weight ----- 416 gr
 Length ----- 3.34 in. (84.8 mm)
 Tracer----- NA
 Primer----- Percussion
 Fuze ----- NA

Explosive:

Type ----- NA
 Weight ----- NA

Incendiary:

Type ----- NA
 Weight ----- NA

Propellant:

Type ----- IMR 4895
 Weight ----- 50 gr

Performance:

Chamber pressure ----- 50,000 psi
 Velocity ----- 2740 fps, 78 ft from
 muzzle

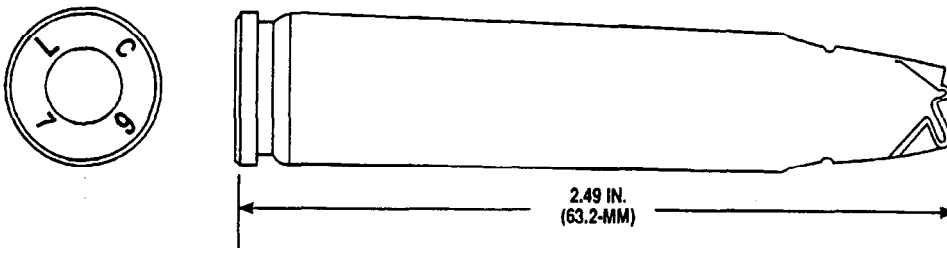
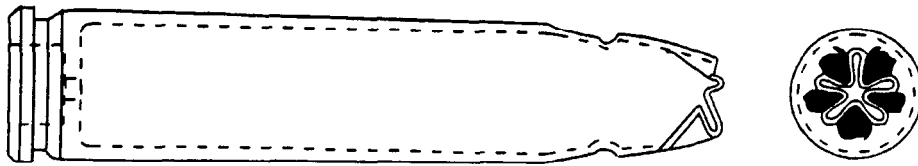
Shipping and Storage Data:

Quantity-distance class/
 SCG ----- 1.4S
 Storage code ----- Class V
 DOT shipping class ----- C
 DOT designation ----- SMALL ARMS
 AMMUNITION
 Drawing number ----- 6137544

References:

SB 700-20
 TM 9-1005-222-12P/1
 TM 9-1300-206

CARTRIDGE, CALIBER .30, GRENADE, M3



U
AR 5906

Type Classification:

OBS - MSR 11756003.

Use:

Rifle, Caliber .30, M1.

Description:

GRENADE Cartridge. The cartridge is identified by a rose-petal (rosette-crimped) closure of the cartridge case mouth.

Function:

The cartridge provides the pressure, on functioning, to project rifle grenades when using a grenade projection adapter.

Tabulated Data:

DODAC----- 1330-G838
 UNO serial number ----- 0014
 UNO proper shipping
 name----- Cartridges for
 weapons, blank

Weight ----- 248 gr
 Length ----- 2.49 in. (63.2 mm)
 Tracer ----- NA
 Primer ----- Percussion
 Fuze ----- NA
 Explosive:
 Type ----- NA
 Weight ----- NA
 Incendiary:
 Type ----- NA
 Weight ----- NA
 Propellant:
 Type ----- IMR 4895
 Weight ----- 45 gr

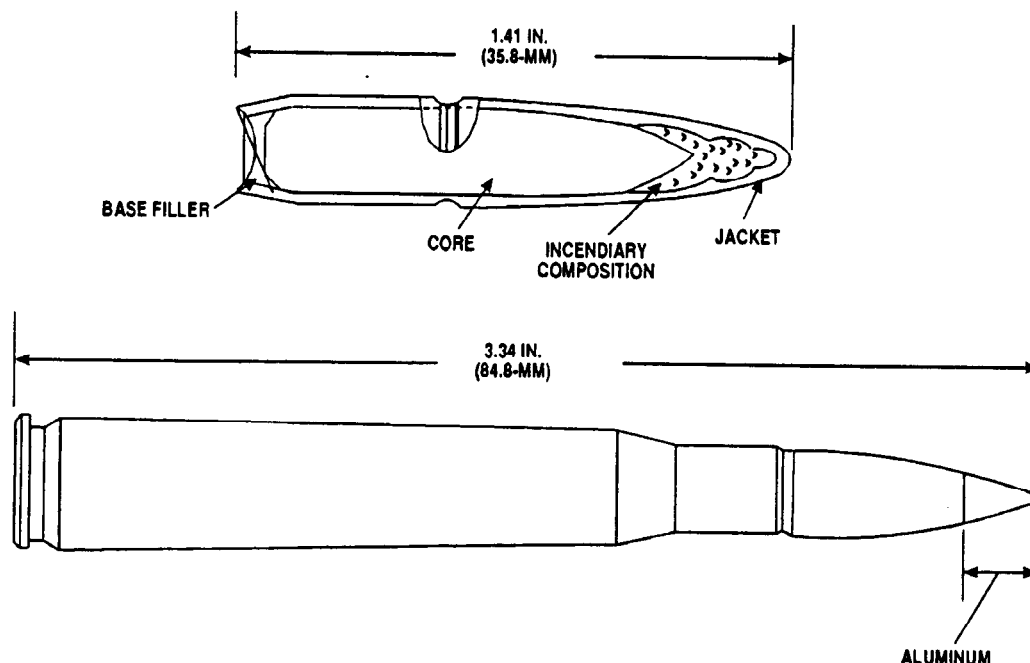
Performance:

Chamber pressure ----- NA
 Velocity ----- 180 fps, 5.5 ft from
 muzzle/projected
 grenade

Shipping and Storage Data:

Quantity-distance class/
 SCG ----- 1.4S
 Storage code ----- Class V

CARTRIDGE, CALIBER .30, ARMOR PIERCING INCENDIARY, M14



Type Classification:

OBS - MSR 11756003.

Use:

Machine Guns, Caliber .30, M37, M1919A4 and M1919A6; and Rifle, Caliber .30, M1.

Description:

ARMOR PIERCING INCENDIARY Cartridge. The cartridge is identified by an aluminum bullet tip.

Function:

Penetration, fired at a 7/8-inch steel plate at 100 yards, will not be less than 0.42 inch. Upon impact with a target, the incendiary composition bursts into flame and will ignite flammable material.

Tabulated Data:

DODAC----- 1305-A202
 UNO serial number ----- 0012

U
AR 5907

UNO proper shipping

name -----	Cartridges for weapons, inert projectile
Weight -----	407 gr
Length -----	3.34 in. (84.8 mm)
Tracer -----	NA
Primer -----	Percussion
Fuze -----	NA
Explosive:	
Type -----	NA
Weight -----	NA
Incendiary:	
Type -----	IM 11
Weight -----	2 gr
Propellant:	
Type -----	WC 852
Weight -----	50 gr

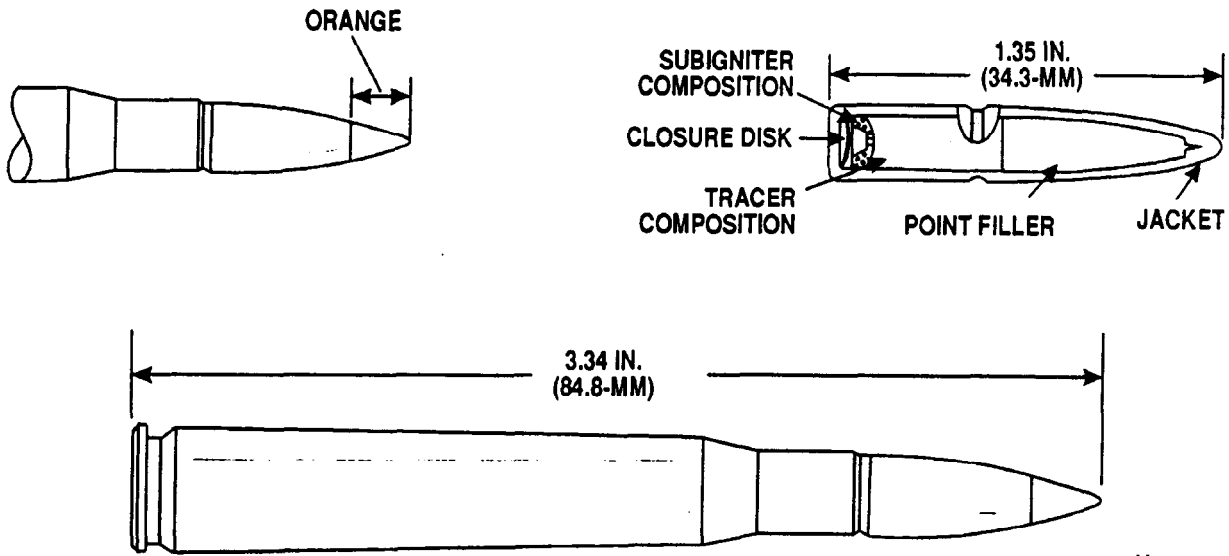
Performance:

Chamber pressure -----	54,000 psi
Velocity -----	2780 fps, 78 ft from muzzle

Shipping and Storage Data:

Quantity-distance class/ SCG -----	1.4S
Storage code -----	Class V

.CARTRIDGE, CALIBER .30, TRACER, M25



U
AR 5909

Type Classification:

OBS - MSR 11756003.

Use:

Machine Guns, Caliber .30, M37, M1917A1, M1919A4, and M1919A6; and Rifle, Caliber .30, M1. The cartridge is intended for use against personnel and unarmored targets.

Description:

TRACER Cartridge. The cartridge is identified by an orange bullet tip.

Function:

In flight, the bullet exhibits a trace of full luminosity from a point not greater than 75 yards from the muzzle of the weapon to a point not less than 900 yards from the muzzle.

Tabulated Data:

DODAC-----	1305-A230
UNO serial number -----	0012
UNO proper shipping name-----	Cartridges for weapons, inert projectile
Weight -----	401 gr
Length-----	3.34 in. (84.8 mm)
Tracer-----	R321
Primer-----	Percussion
Fuze -----	NA

Explosive:

Type ----- NA

Weight----- NA

Incendiary:

Type ----- NA

Weight----- NA

Propellant:

Type ----- WC 852

Weight----- 50 gr

Projectile:

Weight----- 145.5 gr

Performance:

Chamber pressure ----- 50,000 psi

Velocity----- 2665 fps, 78 ft from muzzle

Shipping and Storage Data:

Quantity-distance class/

SCG ----- 1.4S

Storage code ----- Class V

DOT shipping class----- C

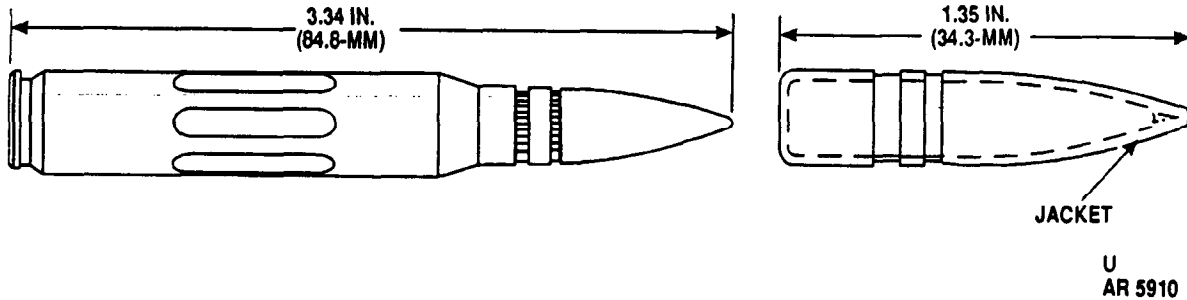
DOT designation ----- SMALL ARMS AMMUNITION

Drawing number ----- 7640667 (brass case);
7553949 (steel case)

References:

SB 700-20
TM 9-1005-222-12P/1
TM 9-1300-206

CARTRIDGE, DUMMY, CALIBER .30, M40



Type Classification:

STD - OTCM 37119.

Use:

All caliber .30 weapons except carbine. The cartridge is inert, and is used for practice in loading weapons, for simulated firing to detect flinching of personnel when firing, and for inspecting and testing the mechanisms of small-arms weapons.

Description:

DUMMY Cartridge. The cartridge is identified by six 1-inch longitudinal corrugations (flutings) in the cartridge case. In addition, there is no primer.

Tabulated Data:

DODAC-----	1305-A226
Weight-----	268 gr
Length-----	3.34 in. (84.8 mm)
Tracer-----	NA
Primer-----	NA
Fuze-----	NA

Explosive:

Type ----- NA
 Weight----- NA

Incendiary:

Type ----- NA
 Weight----- NA

Propellant:

Type ----- NA
 Weight----- NA

Performance:

Chamber pressure ----- NA
 Velocity----- NA

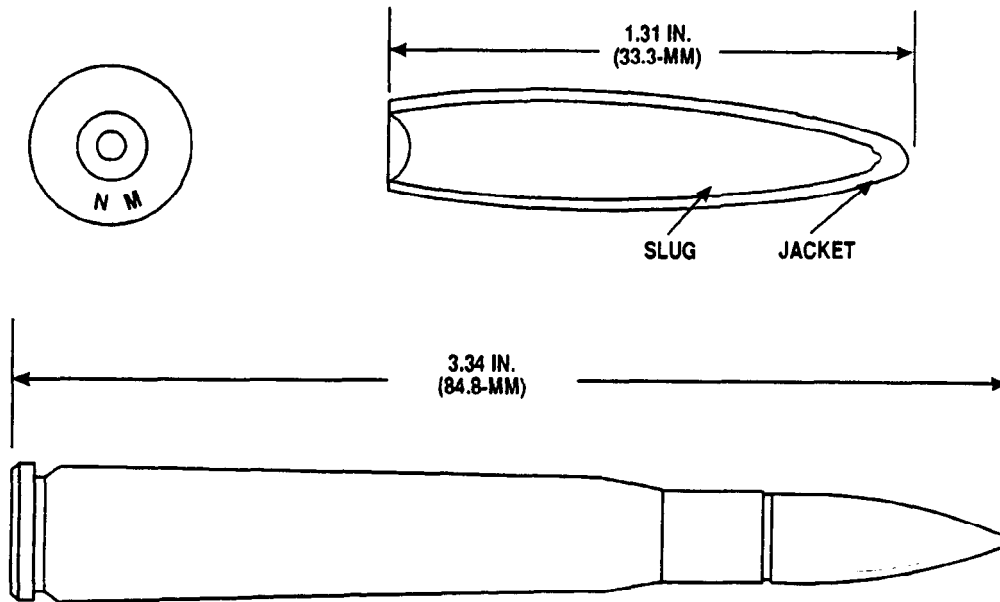
Shipping and Storage Data:

Quantity-distance class/ SCG-----	NA
Storage code-----	NA
DOT shipping class-----	NA
DOT designation-----	NONEXPLOSIVE AMMUNITION
Drawing number-----	7553591

References:

SB 700-20
 TM 9-1005-222-12P/1
 TM 9-1300-206

CARTRIDGE, CALIBER .30, BALL, MATCH, M72



U
AR 5911

Type Classification:

STD - OTCM 37119.

Use:

Rifle, Caliber .30, M1; and Rifle, Caliber .30, National Match. The cartridge is designed to be fired only in weapons designated as competition rifles.

Description:

BALL Cartridge. The cartridge is identified by head stampings on the base of the cartridge case with either the initials NM (National Match) or the word MATCH. The primer is uncrimped, the bullet has no crimped cannelure, and the case is not crimped to the bullet.

Tabulated Data:

DODAC-----	1305-A247
UNO serial number -----	0012
UNO proper shipping name-----	Cartridges for weapons, inert projectile
Weight -----	425 gr
Length-----	3.34 in. (84.8 mm)
Tracer-----	NA
Primer-----	Percussion

Fuze-----	NA
Explosive:	
Type-----	NA
Weight-----	NA
Incendiary:	
Type-----	NA
Weight-----	NA
Propellant:	
Type-----	IMR 4895
Weight-----	50 gr

Performance:

Chamber pressure -----	50,000 psi
Velocity-----	2640 fps, 78 ft from muzzle

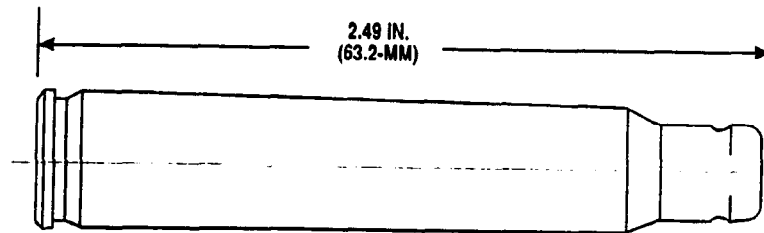
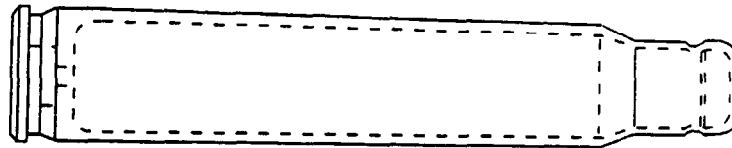
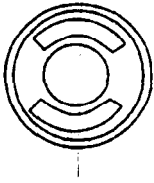
Shipping and Storage Data:

Quantity-distance class/SCG-----	1.4S
Storage code -----	Class V
DOT shipping class-----	C
DOT designation -----	SMALL ARMS AMMUNITION
Drawing number -----	8595432

References:

SB 700-20
TM 9-1005-222-12P/1
TM 9-1300-206

CARTRIDGE, CALIBER .30, BLANK, M1909



U
AR 5912

Type Classification:

OBS - MSR 11756003.

Use:

Machine Guns, Caliber .30, M1919A4 and M1919A6; and Rifle, Caliber .30, M1. The cartridge is used for simulated firing in training or for saluting purposes.

Description:

BLANK Cartridge. The cartridge is identified by the absence of a bullet and has a crimped cartridge case mouth.

Tabulated Data:

DODAC.....	1305-A222
UNO serial number	0014
UNO proper shipping name.....	Cartridges for weapons, blank
Weight	218 gr
Length.....	2.49 in. (63.2 mm)
Tracer.....	NA
Primer.....	Percussion
Fuze	NA

Explosive:

Type NA
Weight..... NA

Incendiary:

Type NA
Weight..... NA

Propellant:

Type SR 4990
Weight..... 12 gr

Performance:

Chamber pressure NA
Velocity..... NA

Shipping and Storage Data:

Quantity-distance class/SCG	1.4S
Storage code	Class V
DOT shipping class.....	C
DOT designation	SMALL ARMS AMMUNITION
Drawing number	6006152

References:

SB 700-20
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