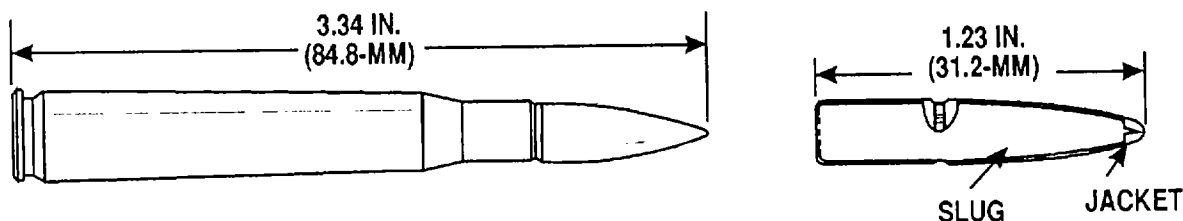


CHAPTER 5
CALIBER .30 RIFLE AND MACHINE GUN CARTRIDGES

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CARTRIDGE, CALIBER .30, BALL, HIGH PRESSURE TEST; MI



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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.

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

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

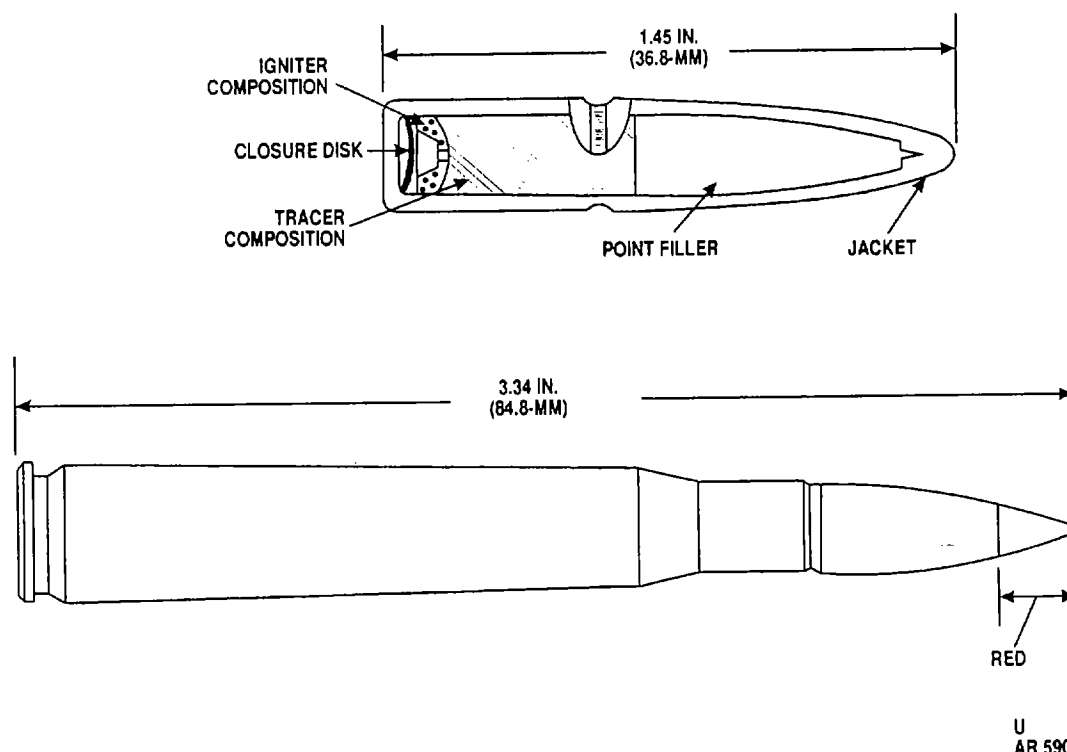
References:

SB 700-20

TM 9-1005-222-12P/1

TM 9-1300-206

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CARTRIDGE, CALIBER .30, TRACER, M1**Type Classification:**

OBS - MSR 11756003.

Use:

Machine Guns, Caliber .30, M37, M1919A4 and M1919A6; and Rifle, Caliber .30, M1. The tracer element is intended to permit visible observation of the bullet's in-flight path, or trajectory, to the target.

Description:

TRACER Cartridge. The cartridge is identified by a red bullet tip.

Tabulated Data:

DODAC 1305-A231
 UNO serial number 0012
 UNO proper shipping
 name Cartridges for
 weapons, inert
 projectile
 Weight 399 gr

Length 3.34 in. (84.8 mm)
 Tracer R256
 Primer Percussion
 Fuze NA
 Explosive:
 Type NA
 Weight NA
 Incendiary:
 Type NA
 Weight NA
 Propellant:
 Type IMR 4895
 Weight 50 gr

Performance:

Chamber pressure 52,000 psi
 Velocity 2665 fps, 78 ft from
 muzzle

Shipping and Storage Data:

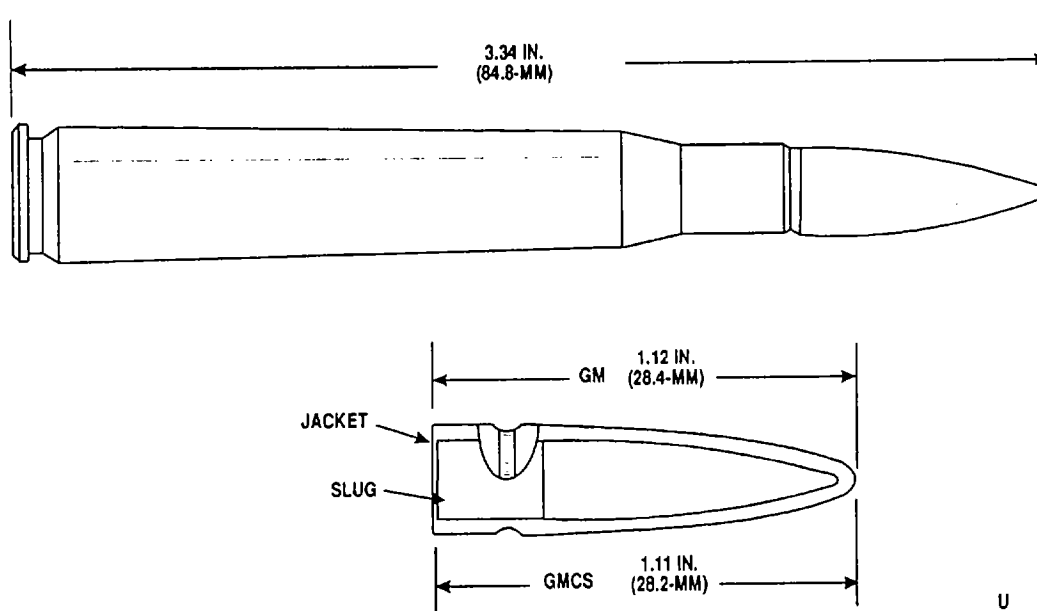
Quantity-distance class/
 SCG 1.4S
 Storage code Class V

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References:

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

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CARTRIDGE, CALIBER .30, BALL, M2U
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 projectile
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:

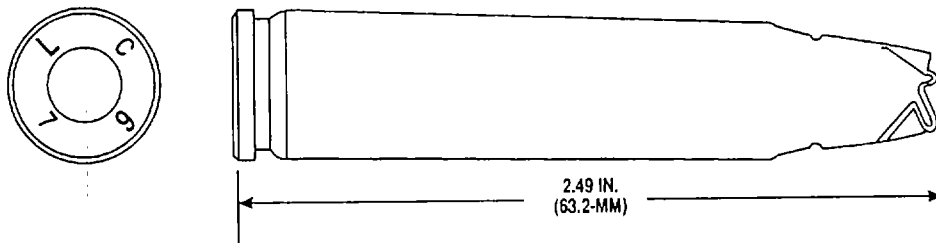
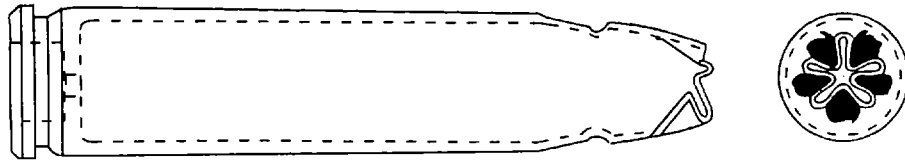
Quantity-distance class/SCG	1.4S
Storage code.....	Class V
DOT shipping class	C
DOT designation	SMALL ARMS AMMUNITION
Drawing number.....	6137544

References:

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

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CARTRIDGE, CALIBER.30, GRENADE, M3



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AR 5906

Type Classification:

OBS - MSR 11756003.

Use:

Rifle, Caliber .30, M1.

Description:

GRENADÉ 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 489)5
Weight	45 gr.

Performance:

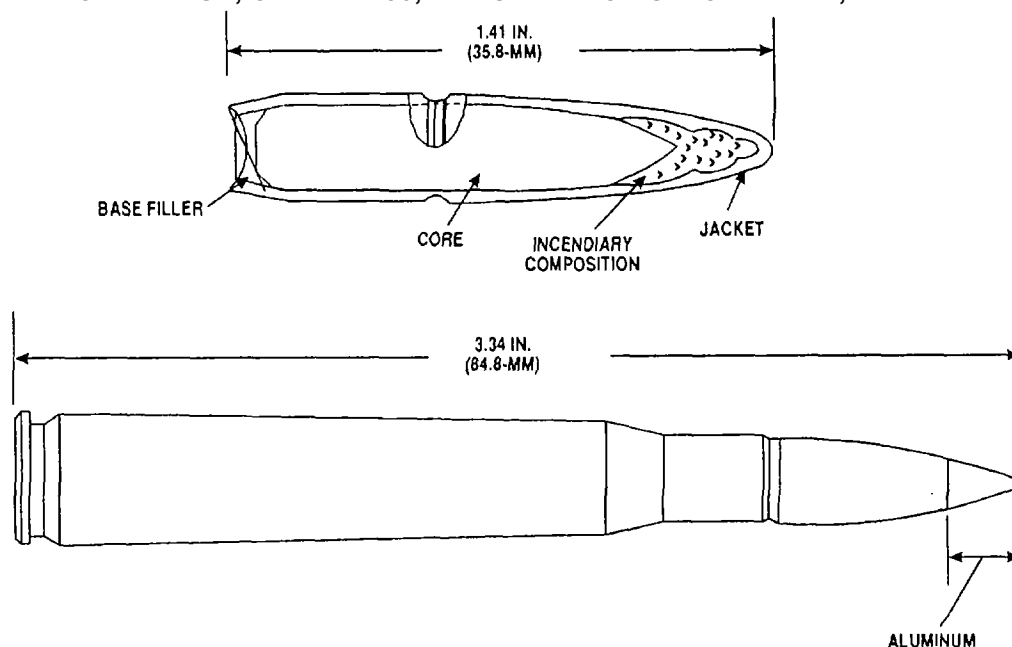
Chamber pressure..... NA
Velocity 180 fps, 5.5 ft from
muzzle/projected
grenade

Shipping and Storage Data:
Quantity-distance class/
SCG 1.4S
Storage code..... Class V

DOT shipping class C
DOT designation SMALL ARMS
AMMUNITION
Drawing number 6173949

References:

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

CARTRIDGE, CALIBER .30, ARMOR PIERCING INCENDIARY, M14

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AR 5907

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

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..... 54,00() psi
Velocity..... 2780 fps, 78 ft from muzzle

Shipping and Storage Data:

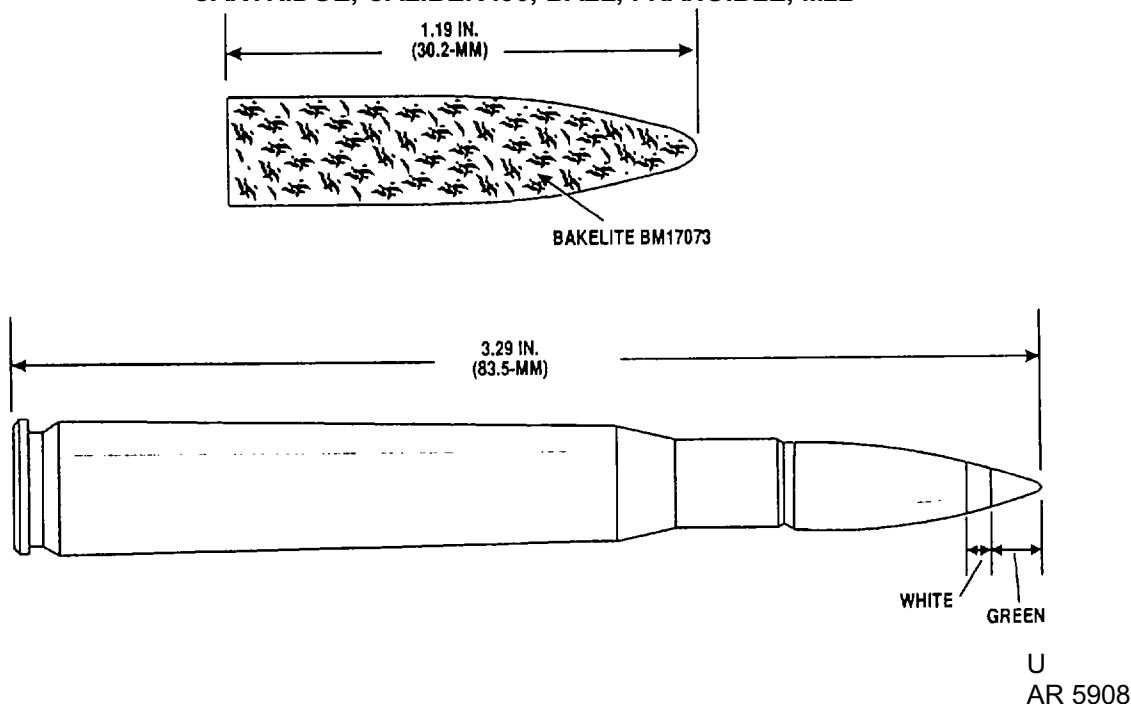
Quantity-distance class/
SCG 1.4S
Storage code..... Class V

DOT shipping class C
 DOT designation SMALL ARMS
 AMMUNITION
 Drawing number 7638431

References:

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

CARTRIDGE, CALIBER .30, BALL, FRANGIBLE, M22



Type Classification:

OBS - MSR 11756003.

Use:

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

Description:

BALL Cartridge. The cartridge is identified by a green bullet tip with a white ring to the rear of the green color.

Function:

The bullet disintegrates upon striking a hard or armored target, leaving a pencil-like mark to indicate a hit during gunnery practice.

Tabulated Data:

DODAC.....	1305-A220
UNO serial number	0012
UNO proper shipping name	Cartridges for weapons, inert projectile
Weight	320 gr
Length.....	3.29 in. (83.5 mm)
Tracer	NA

Primer.....	Percussion
Fuze.....	NA
Explosive:	
Type	NA
Weight	NA
Incendiary:	
Type	NA
Weight	NA
Propellant:	
Type	SR 4759
Weight	11 gr

Performance:

Chamber pressure.....NA
Velocity 1320 fps, 53 ft from
muzzle

Shipping and Storage Data:

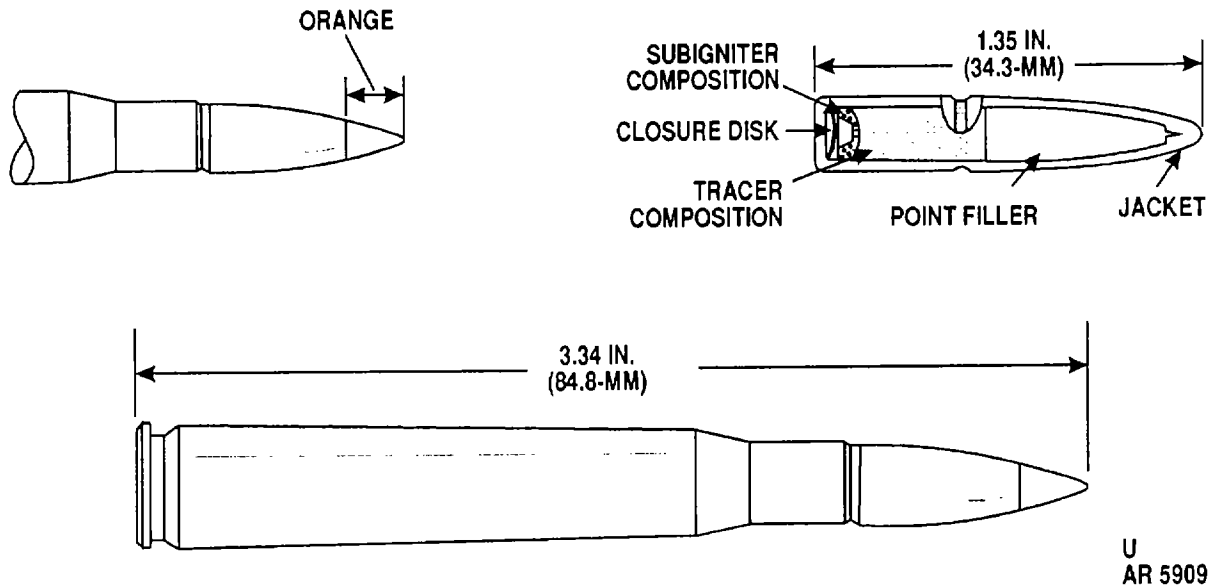
<u>Quantity-distance class/</u>	
SCG	1.4S
Storage code.....	Class V
DOT shipping class	C
DOT designation	SMALL ARMS
AMMUNITION	
Drawing number.....	7640951

References:

SB 700-20
TM 9-1300-206

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CARTRIDGE, CALIBER .30, TRACER, M25



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);
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7553949 (steel

case)

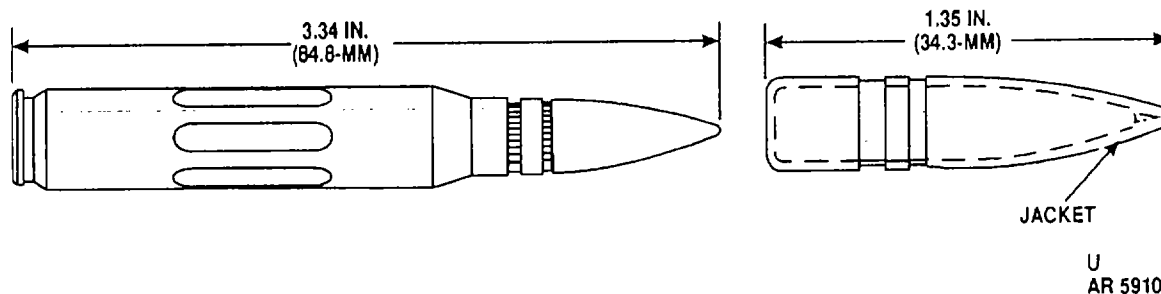
References:

SB 700-20

TM 9-1005-222-12P/1

TM 9-1300-206

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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

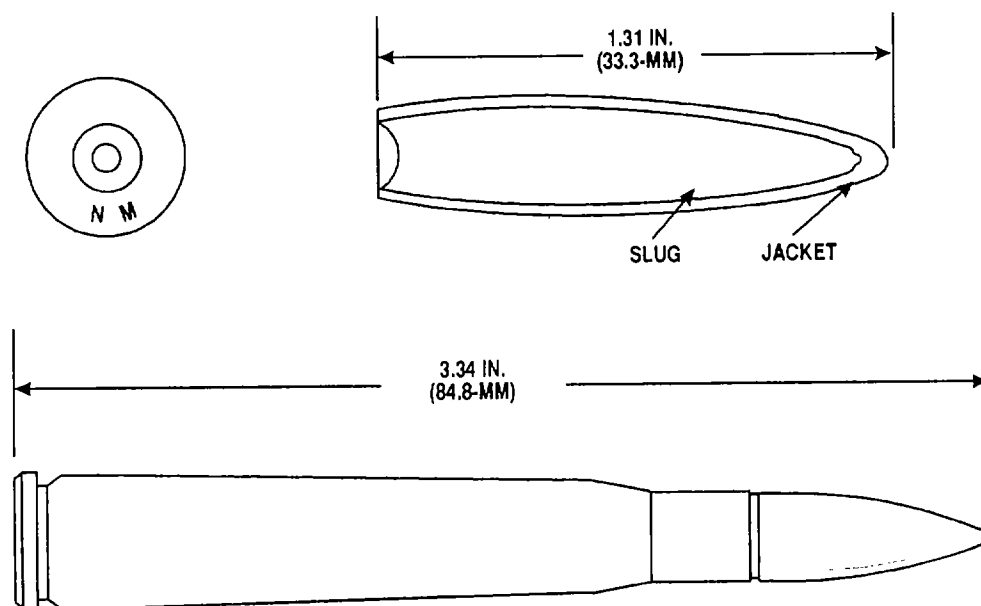
References:

SB 700-20

TM 9-1005-222-12P/1

TM 9-1300-206

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CARTRIDGE, CALIBER .30, BALL, MATCH, M72**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

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AR 5911

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

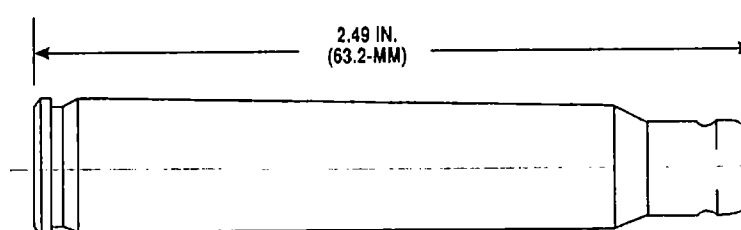
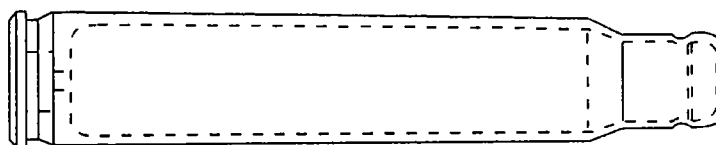
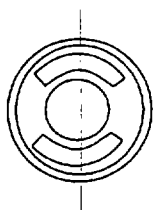
Shipping and Storage Data:

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

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CARTRIDGE, CALIBER .30, BLANK, M1909U
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
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Storage code.....	Class V
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DOT shipping class	C
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DOT designation	SMALL ARMS AMMUNITION
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Drawing number.....	6006152
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References:

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