CHAPTER 9

CALIBER .50 CARTRIDGES
CARTRIDGE, CALIBER .50, BALL, HIGH PRESSURE TEST, M1

Type Classification:

STD - OTCM 36841.

Use:

All caliber .50 weapons except M8C Spotting Gun. The cartridge is intended for use in proof testing caliber .50 weapons (except the 106mm Spotting Rifle) during manufacture, test, or repair.

Description:

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

Tabulated Data:

DODAC------------------------- 1305-A575
UNO serial number ----------- 0339
UNO proper shipping name --- Cartridges for weapons, inert projectile

Weight ---------------------- 2082 gr
Length ---------------------- 5.45 in. (138.4 mm)
Tracer ---------------------- NA
Primer ---------------------- Percussion
Fuze ------------------------ NA

Explosive:

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

Incendiary:

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

Propellant:

Type------------------------- WC 860
Weight------------------------ 240 gr

Performance:

Chamber pressure --------- 65,000 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------------ 5544097

References:

SB 700-20
TM 9-1005-213-10
TM 9-1005-231-10
TM 9-1300-206
CARTRIDGE, CALIBER .50, BLANK, M1

Type Classification:

CONT - OTCM 36841.

Use:

Machine Gun, Caliber .50, M2 (flexible only). The cartridge is used to simulate firing in training exercises.

Description:

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

Tabulated Data:

DODAC---------------------- 1305-A558
UNO serial number -------- 0338
UNO proper shipping name Cartridges for weapons, blank
Weight ------------------- 917 gr
Length ------------------- 3.91 in. (99.3 mm)
Tracer ------------------- NA
Primer ------------------- Percussion
Fuze --------------------- NA
Explosive:

Type ---------------------- NA
Weight --------------------- NA
Incendiary:
Type ---------------------- NA
Weight --------------------- NA
Propellant:
Type ---------------------- WC 150
Weight --------------------- 46 gr

Performance:

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

Shipping and Storage Data:

Quantity-distance class/
SCG ---------------------- 1.4C
Storage code ------------- Class V
DOT shipping class ------ C
DOT designation ------- SMALL ARMS AMMUNITION
Drawing number --------- 7673517

References:

SB 700-20
TM 9-1005-213-10
TM 9-1005-231-10
TM 9-1300-206
**CARTRIDGE, CALIBER .50, INCENDIARY, M1**

**Type Classification:**

OBS - MSR 11756003.

**Use:**

Machine Guns, Caliber .50, M2 and M85.

**Description:**

**INCENDIARY Cartridge.** The cartridge is identified by a blue bullet tip.

**Function:**

Upon impact with a hardened or armored target, the incendiary composition bursts into flame and will ignite any flammable material.

**Tabulated Data:**

<table>
<thead>
<tr>
<th>DODAC</th>
<th>1305-A562</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNO serial number</td>
<td>0300</td>
</tr>
<tr>
<td>UNO proper shipping name</td>
<td>Ammunition, incendiary</td>
</tr>
<tr>
<td>Weight</td>
<td>1744 gr</td>
</tr>
<tr>
<td>Length</td>
<td>5.45 in. (138.4 mm)</td>
</tr>
<tr>
<td>Tracer</td>
<td>NA</td>
</tr>
<tr>
<td>Primer</td>
<td>NA</td>
</tr>
<tr>
<td>Fuze</td>
<td>NA</td>
</tr>
<tr>
<td>Explosive:</td>
<td></td>
</tr>
</tbody>
</table>

**Type** | **NA**
**Weight** | **NA**
**Incendiary:**
| **Type** | **IM 11**
| **Weight** | **34 gr**
**Propellant:**
| **Type** | **WC 860**
| **Weight** | **240 gr**

**Performance:**

Chamber pressure | 54,000 psi
Velocity | 2950 fps. 78 ft from muzzle

**Shipping and Storage Data:**

| SCG | 1.4C |
| Storage code | Class V |
| DOT shipping class | C |
| DOT designation | SMALL ARMS AMMUNITION |
| Drawing number | 5579812 |

**References:**

SB 700-20
TM 9-1005-213-10
TM 9-1005-231-10
TM 9-1300-206
Type Classification:

OBS - MSR 11756003.

Use:

Machine Guns, Caliber .50, M2 and M85. The tracer is intended to permit visible observation of the bullet’s in-flight path or trajectory to the point of impact. Limited to CONUS for training purposes only.

Description:

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

Tabulated Data:

- Type: NA
- Weight: NA
- Incendiary:
  - Type: NA
  - Weight: NA
- Propellant:
  - Type: IMR 5010
  - Weight: 240 gr

Performance:

- Chamber pressure: 52,000 psi
- Velocity: 2700 fps, 78 ft from muzzle

Shipping and Storage Data:

- Quantity-distance class/muzzle: 1.4C
- SCG: 1305-A591
- UN serial number: 0362
- UNO proper shipping name: Ammunition, practice
- Weight: 1785 gr
- Length: 5.45 in. (138.4 mm)
- Tracer: R256
- Primer: Percussion
- Fuze: NA
- Explosive: NA

References:

SB 700-20
TM 9-1300-206
CARTRIDGE, CALIBER .50, BLANK, M1A1

Type Classification:

STD - MSR 02806015.

Use:

Machine Gun, Caliber .50, M2 with the M19 Blank Ammunition Firing Attachment; and Machine Gun, Caliber .50, M85 with the M20 Blank Firing Attachment. The cartridge is used to simulate firing in training exercises.

Description:

BLANK Cartridge. The cartridge is identified by the absence of a bullet. The M1A1 differs from the M1 in that the M1A1 has a rosette crimp at the mouth. Also, the M1A1 is loaded with DuPont Hi Skor 700X propellant.

Tabulated Data:

<table>
<thead>
<tr>
<th>DODAC</th>
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<tbody>
<tr>
<td>UNO serial number</td>
<td>0338</td>
</tr>
<tr>
<td>UNO proper shipping name</td>
<td>Cartridges for weaponry, blank</td>
</tr>
<tr>
<td>Weight</td>
<td>915 to 955 gr</td>
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<tr>
<td>Length</td>
<td>3.91 in. (99.3 mm)</td>
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<tr>
<td>Tracer</td>
<td>NA</td>
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<table>
<thead>
<tr>
<th>Primer</th>
<th>Percussion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuze</td>
<td>NA</td>
</tr>
<tr>
<td>Explosive:</td>
<td>NA</td>
</tr>
<tr>
<td>Type</td>
<td>NA</td>
</tr>
<tr>
<td>Weight</td>
<td>NA</td>
</tr>
<tr>
<td>Incendiary:</td>
<td>NA</td>
</tr>
<tr>
<td>Type</td>
<td>NA</td>
</tr>
<tr>
<td>Weight</td>
<td>NA</td>
</tr>
<tr>
<td>Propellant:</td>
<td>Dupont Hi Skor 700X</td>
</tr>
<tr>
<td>Weight</td>
<td>42 gr</td>
</tr>
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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 --------- 9341551

References:

DARCOM 700-3-2
CARTRIDGE, CALIBER .50, BALL, M2

Type Classification:

STD - OTCM 36841.

Use:

Machine Guns, Caliber .50, M2 and M85. The cartridge is intended for use against personnel or unarmored targets.

Description:

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

Tabulated Data:

DODAC: 1305-A552
UNO serial number: 0339
UNO proper shipping name: Cartridges for weapons, inert projectile
Weight: 1813 gr
Length: 5.45 in. (138.4 mm)
Tracer: NA
Primer: Percussion
Fuze: NA

Explosive:
Type: NA
Weight: NA

Incendiary:
Type: NA
Weight: NA

Propellant:
Type: WC 860
Weight: 235 gr

Performance:
Chamber pressure: 55,000 psi
Velocity: 2810 fps, 78 ft from muzzle

Shipping and Storage Data:
Quantity-distance class/SCG: 1.4C
Storage code: Class V
DOT shipping class: C
DOT designation: SMALL ARMS AMMUNITION
Drawing number: 5577960

References:
SB 700-20
TM 9-1005-213-10
TM 9-1005-231-10
TM 9-1300-206
CARTRIDGE, CALIBER .50, BALL, ARMOR PIERCING, M2

Type Classification:

OBS - MSR 11756003.

Use:

Machine Guns, Caliber .50, M2 and M85. The cartridge is for use against light-armored or unarmored targets, concrete shelters, and similar bullet-resisting targets.

Description:

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

Tabulated Data:

<table>
<thead>
<tr>
<th>DODAC</th>
<th>1305-A526</th>
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<tbody>
<tr>
<td>UNO serial number</td>
<td>0339</td>
</tr>
<tr>
<td>UNO proper shipping name</td>
<td>Cartridges for weapons, inert projectile</td>
</tr>
<tr>
<td>Weight</td>
<td>1812 gr</td>
</tr>
<tr>
<td>Length</td>
<td>5.45 in. (138.4 mm)</td>
</tr>
<tr>
<td>Tracer</td>
<td>NA</td>
</tr>
<tr>
<td>Primer</td>
<td>Percussion</td>
</tr>
<tr>
<td>Fuze</td>
<td>NA</td>
</tr>
</tbody>
</table>

Explosive:

Type: NA
Weight: NA

Incendiary:

Type: NA
Weight: NA

Propellant:

Type: WC 860
Weight: 235 gr

Performance:

Chamber pressure: 53,000 psi
Velocity: 2810 fps, 78 ft from muzzle

Shipping and Storage Data:

Quantity-distance class/
SCG: 1.4C
Storage code: Class V
DOT shipping class: C
DOT designation: SMALL ARMS AMMUNITION
Drawing number: 5569930

References:

SB 700-20
TM 9-1005-213-10
TM 9-1005-231-10
TM 9-1300-206
CARTRIDGE, DUMMY, CALIBER .50, M2

Type Classification:

STD - OTCM 36841.

Use:

All caliber .50 weapons except M8C Spotting Gun. The cartridge is used for practice in loading for simulated firing and for inspecting and testing the mechanism of the weapon.

Description:

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

Tabulated Data:

DODAC: 1305-A560
Weight: 1248 gr
Length: 5.45 in. (138.4 mm)
Tracer: NA
Primer: NA
Fuze: 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: 5556579

References:
SB 700-20
TM 9-1005-213-10
TM 9-1005-231-10
TM 9-1300-206
CARTRIDGE, CALIBER .50, BALL, ARMOR PIERCING INCENDIARY, M8

Type Classification:

OBS - MSR 11756003.

Use:

Machine Guns, Caliber .50, M2 and M85. The cartridge combines the functions of the M2 armor piercing bullet and the incendiary bullet, and is used against flammable targets and light- armored or unarmored targets, concrete shelters, and similar bullet-resisting targets.

Description:

BALL Cartridge. The cartridge is identified by an aluminum bullet tip.

Tabulated Data:

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<tr>
<td>UNO proper shipping name</td>
<td>Ammunition, incendiary</td>
</tr>
<tr>
<td>Weight</td>
<td>1764 gr</td>
</tr>
<tr>
<td>Length</td>
<td>5.45 in. (138.4 mm)</td>
</tr>
<tr>
<td>Tracer</td>
<td>NA</td>
</tr>
<tr>
<td>Primer</td>
<td>Percussion</td>
</tr>
<tr>
<td>Fuze</td>
<td>NA</td>
</tr>
<tr>
<td>Explosive:</td>
<td>Type NA</td>
</tr>
<tr>
<td>Weight</td>
<td>NA</td>
</tr>
<tr>
<td>Incendiary:</td>
<td>IM 11</td>
</tr>
<tr>
<td>Weight</td>
<td>15 gr</td>
</tr>
<tr>
<td>Propellant:</td>
<td>Type WC 860</td>
</tr>
<tr>
<td>Weight</td>
<td>233 gr</td>
</tr>
<tr>
<td>Projectile:</td>
<td>Type NA</td>
</tr>
<tr>
<td>Weight</td>
<td>622.5 gr</td>
</tr>
</tbody>
</table>

Performance:

Chamber pressure: 59,000 psi
Velocity: 2910 fps, 78 ft from muzzle

Shipping and Storage Data:

| Quantity-distance class/ SCG | 1.4G |
| Storage code | Class V |
| DOT shipping class | C |
| DOT designation | SMALL ARMS AMMUNITION |
| Drawing number | 7970238 |

References:

SB 700-20
TM 9-1005-213-10
TM 9-1005-231-10
TM 9-1300-206
CARTRIDGE, CALIBER .50, TRACER, M10

Type Classification:

STD - OTCM 37107.

Use:

Machine Guns, Caliber .50, M2 and M85.

Description:

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

Function:

The tracer cartridge exhibits a visible trace from a point not greater than 100 yards from the muzzle of the weapon to a point not less than 1,600 yards from the muzzle.

Tabulated Data:

<table>
<thead>
<tr>
<th>Type</th>
<th>Fuze</th>
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<tbody>
<tr>
<td>DODAC</td>
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<td>NA</td>
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<tr>
<td>UNO serial number</td>
<td>0339</td>
<td>UNO proper shipping name</td>
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<tr>
<td>Cartridges for weapons, inert projectile</td>
<td>IMR 5010</td>
<td>IMR 5010</td>
</tr>
<tr>
<td>Weight</td>
<td>240 gr</td>
<td>NA</td>
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<tr>
<td>Length</td>
<td>5.45 in. (138.4 mm)</td>
<td>5.45 in. (138.4 mm)</td>
</tr>
<tr>
<td>Tracer</td>
<td>R256</td>
<td></td>
</tr>
<tr>
<td>Primer</td>
<td>Percussion</td>
<td></td>
</tr>
</tbody>
</table>

Performance:

Chamber pressure ------------ 54,000 psi
Velocity--------------------- 2860 fps, 78 ft from muzzle

Shipping and Storage Data:

Quantity-distance class/ SCG __________________________ 1.4C
Storage code ______________________ Class V
DOT shipping class ______________ C
DOT designation ________________ SMALL ARMS AMMUNITION
Drawing number ________________ 7670296

References:

SB 700-20
TM 9-1005-213-10
TM 9-1005-231-10
TM 9-1300-206
. CARTRIDGE, CALIBER .50, TRACER, M17

**Type Classification:**

CON - MSR 11756003.

**Use:**

Machine Guns, Caliber .50, M2 and M85. The cartridge tracer is intended to permit visible observation of the bullets in-flight path or trajectory to the point of impact.

**Description:**

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

**Tabulated Data:**

<table>
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<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>DODAC</td>
<td>1305-A571</td>
</tr>
<tr>
<td>UNO serial number</td>
<td>0339</td>
</tr>
<tr>
<td>UNO proper shipping name</td>
<td>Cartridges for weapons, inert projectile</td>
</tr>
<tr>
<td>Weight</td>
<td>1732 gr</td>
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<tr>
<td>Length</td>
<td>5.45 in. (138.4 mm)</td>
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<td>Tracer</td>
<td>R256</td>
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<tr>
<td>Primer</td>
<td>Percussion</td>
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<tr>
<td>Fuze</td>
<td>NA</td>
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<tr>
<td>Explosive Type</td>
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</tr>
<tr>
<td>Explosive Weight</td>
<td>NA</td>
</tr>
<tr>
<td>Incendiary Type</td>
<td>NA</td>
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<tr>
<td>Incendiary Weight</td>
<td>NA</td>
</tr>
<tr>
<td>Propellant Type</td>
<td>IMR 5010</td>
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<tr>
<td>Propellant Weight</td>
<td>225 gr</td>
</tr>
<tr>
<td>Chamber pressure</td>
<td>54,000 psi</td>
</tr>
<tr>
<td>Velocity</td>
<td>2860 fps, 78 ft from muzzle</td>
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</table>

**Shipping and Storage Data:**

<table>
<thead>
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<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Quantity-distance class/SCG</td>
<td>1.4C</td>
</tr>
<tr>
<td>Storage code</td>
<td>Class V</td>
</tr>
<tr>
<td>DOT shipping class</td>
<td>C</td>
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<tr>
<td>DOT designation</td>
<td>SMALL ARMS AMMUNITION</td>
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<tr>
<td>Drawing number</td>
<td>76172165</td>
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**References:**

SR 700-20
TM 9-1005-213-10
TM 9-1005-231-10
TM 9-1300-206
CARTRIDGE, CALIBER .50, BALL, ARMOR PIERCING INCENDIARY-TRACER, M20

**Type Classification:**

OBS - MSR 04776009.

**Use:**

Machine Guns, Caliber .50, M2 and M85. The cartridge combines the functions of the armor piercing and the incendiary bullet, and is used against flammable targets and light-armored or unarmored targets, concrete shelters, and similar bullet-resisting targets.

**Description:**

**BALL Cartridge.** The cartridge is identified by a red bullet tip with an aluminum colored ring to the rear of the red tip.

**Tabulated Data:**

<table>
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<tr>
<th>DODAC</th>
<th>1305-A542</th>
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<tbody>
<tr>
<td>UNO serial number</td>
<td>0300</td>
</tr>
<tr>
<td>UNO proper shipping name</td>
<td>Ammunition, incendiary</td>
</tr>
<tr>
<td>Weight</td>
<td>1718 gr</td>
</tr>
<tr>
<td>Length</td>
<td>5.45 in. (138.4 mm)</td>
</tr>
<tr>
<td>Tracer</td>
<td>R5936</td>
</tr>
<tr>
<td>Primer</td>
<td>Percussion</td>
</tr>
<tr>
<td>Fuze</td>
<td>NA</td>
</tr>
</tbody>
</table>

**Explosive:**
- **Type:** NA
- **Weight:** NA

**Incendiary:**
- **Type:** IM 161
- **Weight:** 27 gr

**Propellant:**
- **Type:** IMR 5010
- **Weight:** 230 gr
- **Weight:** 619 gr

**Performance:**
- Chamber pressure: 55,000 psi
- Velocity: 2910 fps, 78 ft from muzzle

**Shipping and Storage Data:**
- Quantity-distance class/SCG: 1.4G
- Storage code: Class V
- DOT shipping class: C
- DOT designation: SMALL ARMS AMMUNITION
- Drawing number: 7672003

**References:**
- SB 700-20
- TM 9-1005-213-10
- TM 9-1005-231-10
- TM 9-1300-206
CARTRIDGE, CALIBER .50, INCENDIARY, M23

Type Classification:

STD - OTCM 36841.

Use:

Machine Guns, Caliber .50, M2 and M85. The cartridge is used against flammable targets.

Description:

INCENDIARY Cartridge. The cartridge is identified by a blue bullet tip with a light blue ring to the rear of the blue tip.

Purpose:

The cartridge is capable of initiating combustion of flammable materials upon target impact at 175 yards.

Tabulated Data:

DODAC---------------------- 1305-A563
UNO serial number -------- 0300
UNO proper shipping name------------------- Ammunition, incendiary
Weight---------------------- 1681 gr
Length---------------------- 5.45 in. (138.4 mm)
Tracer---------------------- NA

Primer---------------------- Percussion
Fuze---------------------- NA
Explosive:
Type---------------------- NA
Weight---------------------- NA
Incendiary:
Type---------------------- IM 28
Weight---------------------- 90 gr
Propellant:
Type---------------------- IMR 4831
Weight---------------------- 237 gr

Performance:

Chamber pressure ------------ 58,000 psi
Velocity---------------------- 3400 fps, 78 ft from muzzle

Shipping and Storage Data:

Quantity-distance class/ SCG ---------------------- 1.4G
Storage code ---------------- Class V
DOT shipping class ------------ C
DOT designation ------------ SMALL ARMS AMMUNITION
Drawing number ------------ 7673512

References:

SB 700-20
TM 9-1005-231-10
TM 9-1300-206
CARTRIDGE, CALIBER .50, BALL, M33

Type Classification:
STD - OTCM 36841.

Use:
Machine Guns, Caliber .50, M2 and M85. 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-A552
- **UNO serial number**: 0339
- **UNO proper shipping name**: Cartridges for weapons, inert projectile
- **Weight**: 1762 gr
- **Length**: 5.45 in. (138.4 mm)
- **Tracer**: NA
- **Primer**: Percussion
- **Fuze**: NA
- ** Explosive Type**: NA

<table>
<thead>
<tr>
<th>Weight</th>
<th>NA</th>
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<tbody>
<tr>
<td>Incendiary:</td>
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<tr>
<td>Type</td>
<td>NA</td>
</tr>
<tr>
<td>Weight</td>
<td>NA</td>
</tr>
<tr>
<td>Propellant:</td>
<td>WC 860</td>
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<tr>
<td>Type</td>
<td>NA</td>
</tr>
<tr>
<td>Weight</td>
<td>235 gr</td>
</tr>
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</table>

Performance:
- **Chamber pressure**: 55,000 psi
- **Velocity**: 2910 fps, 78 ft from muzzle

Shipping and Storage Data:
- **Quantity-distance class/SCG**: 1.4C
- **Storage code**: Class V
- **DOT shipping class**: C
- **DOT designation**: SMALL ARMS AMMUNITION
- **Drawing number**: 7553097

References:
- SB 700-20
- TM 9-1005-213-10
- TM 9-1005-231-10
- TM 9-1300-206
CARTRIDGE, CALIBER .50, BALL, SPOTTER-TRACER, M48A1

Type Classification:

STD - AMCTC 7378.

Use:

Rifle, Spotting, Caliber .50, M8C.

Description:

BALL Cartridge. The cartridge has specific features which aid in identification. The cartridge case has a distinctive body design which prevents chambering in other weapons. The total length is only 4.5 inches in comparison with 5.5 inches for a standard round. The bullet has a yellow tip with a red ring to the rear of the yellow tip.

Function:

In flight, the bullet exhibits a visible trace from a point not greater than 100 yards from the muzzle of the weapon to a point not less than 1,500 yards from the muzzle. The bullet will detonate and produce a flash and a puff of smoke upon impact against a steel plate placed at 175 yards from the muzzle of the weapon at all angles from 90° to 11° with respect to the horizontal.

Difference Between Models:

The M48A1 differs from the M48A2 in that the M48A1 has a primer in the point of the bullet.

Tabulated Data:

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<tr>
<td>name</td>
<td>Cartridges for weapons, inert projectile</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Weight</th>
<th>1744 gr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>4.53 in. (115.1 mm)</td>
</tr>
<tr>
<td>Tracer</td>
<td>R321</td>
</tr>
<tr>
<td>Primer</td>
<td>Percussion</td>
</tr>
<tr>
<td>Fuze</td>
<td>NA</td>
</tr>
<tr>
<td>Explosive:</td>
<td>NA</td>
</tr>
<tr>
<td>Type</td>
<td>NA</td>
</tr>
<tr>
<td>Weight</td>
<td>NA</td>
</tr>
<tr>
<td>Incendiary:</td>
<td>IM 144</td>
</tr>
<tr>
<td>Type</td>
<td>IMR 7383</td>
</tr>
<tr>
<td>Weight</td>
<td>32 gr</td>
</tr>
<tr>
<td>Propellant:</td>
<td>IMR 7383</td>
</tr>
<tr>
<td>Weight</td>
<td>110 gr</td>
</tr>
</tbody>
</table>

Performance:

<table>
<thead>
<tr>
<th>Chamber pressure</th>
<th>38,000 psi</th>
</tr>
</thead>
<tbody>
<tr>
<td>Velocity</td>
<td>1745 fps, 78 ft from muzzle</td>
</tr>
</tbody>
</table>

Shipping and Storage Data:

<table>
<thead>
<tr>
<th>Quantity-distance class/SCG</th>
<th>1.4C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage code</td>
<td>Class V</td>
</tr>
</tbody>
</table>
DOT shipping class ---------- C
DOT designation -------------- SMALL ARMS AMMUNITION
Drawing number -------------- 8594735

References:
SB 700-20
TM 9-1300-206
CARTRIDGE, CALIBER .50, BALL, SPOTTER-TRACER, M48A2

Type Classification:

STD - AMCTC 7378.

Use:

Rifle, Spotting, Caliber .50, M8C.

Description:

BALL Cartridge. The cartridge has specific features which aid in identification. The cartridge case has a distinctive body design which prevents chambering in other weapons. The total length is only 4.5 inches in comparison with 8.5 inches for a standard round. The bullet has a yellow tip with a red ring to the rear of the yellow tip.

Function:

In flight, the bullet exhibits a visible trace from a point not greater than 100 yards from the muzzle of the weapon to a point not less than 1,500 yards from the muzzle. The bullet will detonate and produce a flash and a puff of smoke upon impact against a steel plate placed at 175 yards from the muzzle of the weapon at all angles from 90° to 11° with respect to the horizontal.

Difference Between Models:

The M48A2 differs from the M48A1 in that the M48A2 does not have a primer in the point of the bullet.

Tabulated Data:

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
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<tbody>
<tr>
<td>DODAC</td>
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</tr>
<tr>
<td>UNO serial number</td>
<td>0339</td>
</tr>
<tr>
<td>UNO proper shipping</td>
<td>Cartridges for weapons, inert projectile</td>
</tr>
<tr>
<td>Weight</td>
<td>1744 gr</td>
</tr>
<tr>
<td>Length</td>
<td>4.53 in. (115.1 mm)</td>
</tr>
<tr>
<td>Tracer</td>
<td>R321</td>
</tr>
<tr>
<td>Primer</td>
<td>Percussion</td>
</tr>
<tr>
<td>Fuze</td>
<td>NA</td>
</tr>
<tr>
<td>Explosive:</td>
<td>NA</td>
</tr>
<tr>
<td>Type</td>
<td>NA</td>
</tr>
<tr>
<td>Weight</td>
<td>NA</td>
</tr>
<tr>
<td>Incendiary:</td>
<td>IM 144</td>
</tr>
<tr>
<td>Type</td>
<td>IMR 7383</td>
</tr>
<tr>
<td>Weight</td>
<td>32 gr</td>
</tr>
<tr>
<td>Propellant:</td>
<td>110 gr</td>
</tr>
<tr>
<td>Type</td>
<td>IMR 7383</td>
</tr>
<tr>
<td>Weight</td>
<td>833 gr</td>
</tr>
<tr>
<td>Performance:</td>
<td>Chamber pressure</td>
</tr>
<tr>
<td></td>
<td>Velocity</td>
</tr>
<tr>
<td>Shipping and Storage Data:</td>
<td></td>
</tr>
<tr>
<td>Quantity-distance class/SCG</td>
<td>1.4C</td>
</tr>
<tr>
<td>Storage code</td>
<td>Class V</td>
</tr>
</tbody>
</table>
DOT shipping class .......... C  
DOT designation ............. SMALL ARMS  
                          AMMUNITION 
Drawing number .............. 10542445

References:
SB 700-20
TM 9-1300-206
**Type Classification:**


**Use:**

Machine Gun, Caliber .50, with the M3 Recoil Amplifier. The cartridge is intended for scaled range training purposes.

**Description:**

BALL Cartridge. The cartridge is identified by the blue bullet and case which are molded into one piece with high density polyethylene plastic.

**Tabulated Data:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>DODAC</td>
<td>1305-A603</td>
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<tr>
<td>UNO serial number</td>
<td>0012</td>
</tr>
<tr>
<td>UNO proper shipping name</td>
<td>Cartridges for weapons, inert projectile</td>
</tr>
<tr>
<td>Weight</td>
<td>460 gr</td>
</tr>
<tr>
<td>Length</td>
<td>5.2 in. (132.08 mm)</td>
</tr>
<tr>
<td>Tracer</td>
<td>NA</td>
</tr>
<tr>
<td>Primer</td>
<td>Percussion</td>
</tr>
<tr>
<td>Fuze</td>
<td>NA</td>
</tr>
</tbody>
</table>

**Explosive:**

Type: NA  
Weight: NA

**Incendiary:**

Type: NA  
Weight: NA

**Propellant:**

Type: 10B101  
Weight: 49 gr

**Performance:**

Chamber pressure: 26,100 psi  
Velocity: 2790 fps, 78 ft from muzzle  
Maximum range: 700 m

**Shipping and Storage Data:**

Quantity-distance class/SCG: 1.4S  
Storage code: Class S  
DOT shipping class: C  
DOT designation: SMALL ARMS AMMUNITION  
Drawing number: 9340557

**References:**

SB 700-20  
TM 9-1005-213-10  
TM 9-1005-231-10  
TM 9-1300-206
CARTRIDGE, CALIBER .50, TRACER, PLASTIC PRACTICE, M860

Type Classification:


Use:

Machine Gun, Caliber .50, M2 with the M3 Recoil Amplifier. The cartridge tracer is intended for scaled range training to permit visible observation of the bullet’s in-flight path or trajectory to the point of impact. The cartridge is intended for use with the M858 Plastic Practice Ball Cartridge.

Description:

TRACER Cartridge. The cartridge is identified by a red bullet tip and the blue bullet and case which are molded into one piece with high density polyethylene plastic.

Tabulated Data:

DODAC--------------------- 1305-A595
UNO serial number ------- 0012
UNO proper shipping name ------------------------------- Cartridges for weapons, inert projectile
Weight --------------------- 460 gr
Length --------------------- 5.2 in. (132.08 mm)
Tracer --------------------- DAG99912b4/4
Primer --------------------- Percussion
Fuze --------------------- NA

Explosive:
Type --------------------- NA
Weight --------------------- NA

Incendiary:
Type --------------------- NA
Weight --------------------- NA

Propellant:
Type --------------------- 10B101
Weight --------------------- 49 gr

Performance:

Chamber pressure --------------------- 26,100 psi
Velocity --------------------- 2790 fps, 78 ft from muzzle
Maximum range --------------------- 700 m
Trace --------------------- 20-150 m

Shipping and Storage Data:

Quantity-distance class/SCG --------------------- 1.4S
Storage code --------------------- Class S
DOT shipping class --------------------- C
DOT designation --------------------- SMALL ARMS AMMUNITION
Drawing number --------------------- 9340558

References:

SB 700-20
TM 9-1005-213-10
TM 9-1005-231-10
TM 9-1300-206
Type Classification:


Use:

Machine Gun, Caliber .50, M2HB. The cartridge is to be used by soldiers equipped with M2 machine guns.

Description:

COMBAT Cartridge. The cartridge is identified by an amber sabot (Ultem 1000).

Tabulated Data:

- DODAC: 1305-A518
- UNO serial number: 0012
- UNO proper shipping name: Cartridges for weapons, inert projectile
- Weight: 1466 gr
- Length: 5.45 in. (133.4 m)
- Tracer: NA
- Primer: Percussion

Fuze: NA
Explosive:
- Type: NA
- Weight: NA
Incendiary:
- Type: NA
- Weight: NA
Propellant:
- Type: WC 856
- Weight: 275 gr
Projectile:
- Weight: 355-360 gr

Performance:

Chamber pressure: 55,000 psi
Velocity: 4000 fps, 78 ft from muzzle

Shipping and Storage Data:

- Quantity-distance class/SCG: 1.4
- Storage code: C
- DOT shipping class: C
- DOT designation: CARTRIDGES SMALL ARMS UN0339
CARTRIDGE, CALIBER .50, SABOTED LIGHT ARMOR  
- PENETRATOR-TRACER (SLAP-T), M962

**Type Classification:**


**Use:**

Machine Gun, Caliber .50, M2HB. The cartridge is to be used by soldiers equipped with M2 machine guns.

**Description:**

COMBAT Cartridge. The cartridge is identified by a red sabot (Ultem 1000).

**Tabulated Data:**

<table>
<thead>
<tr>
<th>DODAC</th>
<th>1305-A518</th>
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</thead>
<tbody>
<tr>
<td>UNO serial number</td>
<td>0012</td>
</tr>
<tr>
<td>UNO proper shipping name</td>
<td>Cartridges for weapons, inert projectile</td>
</tr>
<tr>
<td>Weight</td>
<td>1466 gr</td>
</tr>
<tr>
<td>Length</td>
<td>5.45 in. (138.4 mm)</td>
</tr>
<tr>
<td>Tracer</td>
<td>R543</td>
</tr>
<tr>
<td>Primer</td>
<td>Percussion</td>
</tr>
<tr>
<td>Fuze</td>
<td>NA</td>
</tr>
</tbody>
</table>

**Explosive:**

- **Type:** NA  
- **Weight:** NA

**Incendiary:**

- **Type:** NA  
- **Weight:** NA

**Propellant:**

- **Type:** WC 856  
- **Weight:** 282 gr

**Projectile:**

- **Weight:** 350-360 gr

**Performance:**

- **Chamber pressure:** 55,000 psi  
- **Velocity:** 4000 fps, 78 ft from muzzle

**Shipping and Storage Data:**

- **Quantity-distance class/SCG:** 1.4  
- **Storage code:** C  
- **DOT shipping class:** C  
- **DOT designation:** CARTRIDGES SMALL ARMS UN0339
CARTRIDGE, CALIBER .50, BALL, PRACTICE, T249E2

Type Classification:

Not applicable.

Use:

Rifle, Spotting, Caliber .50, M8C. The cartridge is used as a less expensive substitute for the M48 series spotter-tracer cartridges. The item uses a small amount of Sodium Carbonate Monohydrate as its spotting charge. It is similar to using a flour bag as a bomb.

Description:

BALL Cartridge. The cartridge is a duplicate of the M48 series cartridges, a less expensive model used for practice. It is identified by a green bullet tip. It has no tracer or incendiary filler.

Tabulated Data:

<table>
<thead>
<tr>
<th>DODAC</th>
<th>1305-A579</th>
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<tbody>
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<td>UNO serial number</td>
<td>0339</td>
</tr>
<tr>
<td>UNO proper shipping name</td>
<td>Cartridges for weapons, inert projectile</td>
</tr>
<tr>
<td>Weight</td>
<td>1738 gr</td>
</tr>
<tr>
<td>Length</td>
<td>4.53 in. (115.1 mm)</td>
</tr>
</tbody>
</table>

Tracer: NA  
Primer: Percussion  
Fuze: NA  
Explosive:  
  Type: NA  
  Weight: NA  
Incendiary:  
  Type: NA  
  Weight: NA  
Propellant:  
  Type: IMR 783  
  Weight: 110 gr  
Projectile:  
  Weight: 817 gr  

Performance:

Chamber pressure: 38,000 psi  
Velocity: 1745 fps, 78 ft from muzzle

Shipping and Storage Data:

Quantity-distance class/SCG: 1.4C  
Storage code: Class V  
DOT shipping class: C  
DOT designation: SMALL ARMS AMMUNITION  
Drawing number: 10534667

References:

SB 700-20  
TM 9-1300-206
CARTRIDGE, CALIBER .50, BALL, HIGH PRESSURE TEST, T251

Type Classification:

Not applicable.

Use:

Rifle, Spotting, Caliber .50, M8C. The cartridge is used in proof testing the caliber .50 M8C Spotting Rifle during manufacture, test, or repair.

Description:

BALL Cartridge. The cartridge is standard small caliber and is identified by a stannic-stained (silvered) cartridge case.

Tabulated Data:

<table>
<thead>
<tr>
<th>DODAC</th>
<th>1305-A578</th>
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<tbody>
<tr>
<td>UNO serial number</td>
<td>0339</td>
</tr>
<tr>
<td>UNO proper shipping name</td>
<td>Cartridges for weapons, inert projectile</td>
</tr>
<tr>
<td>Weight</td>
<td>1902 gr</td>
</tr>
<tr>
<td>Length</td>
<td>4.53 in. (115.1 mm)</td>
</tr>
<tr>
<td>Tracer</td>
<td>NA</td>
</tr>
<tr>
<td>Primer</td>
<td>Percussion</td>
</tr>
</tbody>
</table>

| Fuze       | NA       |
| Explosive: |          |
| Type       | NA       |
| Weight     | NA       |
| Incendiary:|          |
| Type       | NA       |
| Weight     | NA       |
| Propellant:|          |
| Type       | IMR 4831 |
| Weight     | 142 gr   |

Performance:

| Chamber pressure | 55,000 psi |
| Velocity         | NA         |

Shipping and Storage Data:

| Quantity-distance class/SCG | 1.4C |
| Storage code                | Class V |
| DOT shipping class          | C     |
| DOT designation             | SMALL ARMS AMMUNITION |
| Drawing number              | 10534770 |

References:

SB 700-20
TM 9-1300-206