

# 12.7x99mm (.50 Cal) Ball M33

Symbol: **7553097** – 12.7x99mm (.50 Cal) Ball M33

Shellcase: Brass (Copper Alloy No. 260)

Bullet: 661.5 grains (42.86 gram) Full Metal Jacket Boat Tail,  
Copper jacket, mild steel-core  
Diameter .510 inch (13.0 mm)

Powder: Clean burning, low flash

Primer: Boxer Style

Accuracy: 12.0 inches (30.48 cm) max. avg. Mean Radii  
Accuracy testing is performed in accordance with MIL-DTL-46931  
and MIL-DTL-46281. Using three (3) accuracy barrels, three (3)  
individual groups of ten (10) shots each are fired at 600 yds (550  
meters).

Velocity: 2,905 ft/sec (885 m/s) nominal at 78 ft (24 m)  
Velocity measured IAW NATO Electronic Pressure Velocity Action  
Time (EPVAT) method at 24 meters from the muzzle.

Bullet Extraction: Minimum of 200 lbs (91 kg)

Pressure: 65,000 psi (4481 bars) max. average using Kistler 6215 transducer



M33

## 12.7x99mm (.50 Cal) Tracer M17

Symbol: **7672165** – 12.7x99mm (.50 Cal) Tracer M17

Shellcase: Copper Alloy

Bullet: 605.5 grain (39.2 gram) Full Metal Jacket Boat Tail jacket, steel core, tracer

Diameter .510 inch (13.0 mm)

Brown Nose Tip Paint

Powder: Clean burning, low flash

Primer: Winchester non-corrosive primer - boxer type

Accuracy: 12.0 inches (30.5 cm) max. avg. Mean Radii  
Accuracy testing is performed in accordance with MIL-DTL-46931 and MIL-DTL-46281. Using three (3) accuracy barrels, three (3) individual groups of ten (10) shots each are fired at 600 yards (550 meters) Trace Performance:

Velocity: 2,905 ft/sec (885 m/s) nominal at 78 ft (24 m)  
Velocity measured IAW NATO Electronic Pressure Velocity Action Time (EPVAT) method at 24 meters from the muzzle.

Energy: 11,344 ft-lb (15,380 joules)

Pressure: 65,000 psi (4481 bars) max. average using Kistler 6215 transducer

Waterproofing: Lacquer applied to primer annulus and Black Lucas applied to mouth of case

Brown Tip  
ID Paint

Brass



M17

# Link (M9) - .50 Cal (12.7mm)

**Symbol:** 7140393 - M9, 50 Cal (12.7mm) Link

**Weapon:** Gun Systems, M2 Heavy Barrel (HB)/Quick Change Barrel (QCB)

PERFORMANCE:

Extraction Force: 10-25lbs (4.5-11.3 kg)

Belt Strength: 55lbs (25 kg) for 30 seconds

Hardness: 41-49 Rockwell C scale

TECHNICAL DATA:

Specification: MIL-L-45923

Identification: Three connected closed loops

Link Weight: 253 grains (approx.)



M9 Link • .50 Cal (12.7mm)

Link Pack Configuration

**DODIC A557**

**Packaging Description:** 12.7x99mm (.50 Cal), M33/M17 4:1 M9 Link, M2A2 Can, Wire-bound Crate (optional)

**NSN:** 1305-01-658-2580

**Part Number:** XMA557MS

**Cartridge:** 12.7x99mm (.50 Cal), M33/M17 Linked 4:1

**Lot Identification:** Each lot of ammunition is assigned a unique 13-14 character identification number including manufacturer's symbol, year of production, month of production, lot interfix, and lot sequence

**INNER PACK:**

Type: M2A1/2 Can

Material: Steel

Rounds/Can: 100 (Linked)

**OPTIONAL OUTER PACK:**

Type: Wire-bound Crate

Material: Wood

Quantity: 2 Cans per Crate (200rds)

**COMPLETED PALLET DETAIL – CANS ONLY:**

Quantity: 60 Cans per Pallet (w/ Pallet Trays)

**COMPLETED PALLET DETAIL – WITH CRATE:**

Quantity: 48 Crates per Pallet

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