



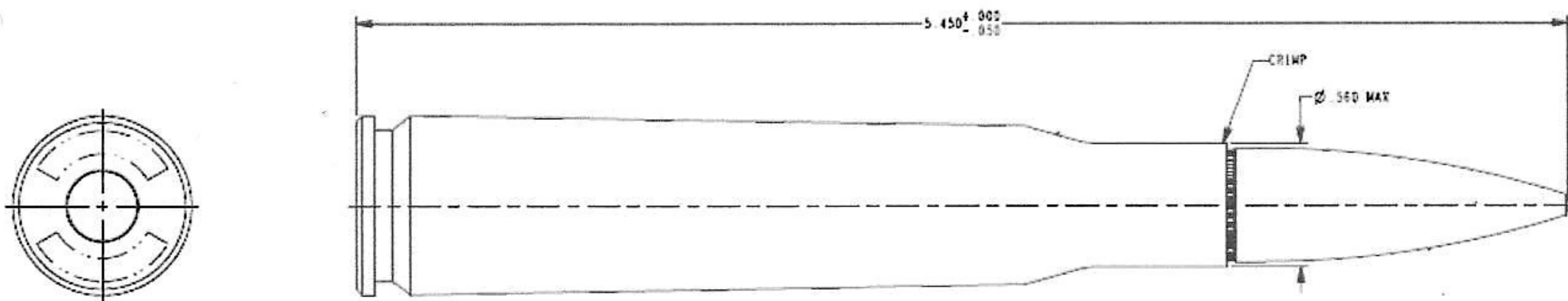
ARMY AMMUNITION PLANT

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
- Waterproofing: Lacquer applied to primer annulus and to mouth of case



M33



ALL DIMENSIONS SHOWN ABOVE ARE FOR REFERENCE ONLY
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ARMY AMMUNITION PLANT

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
Brass 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.

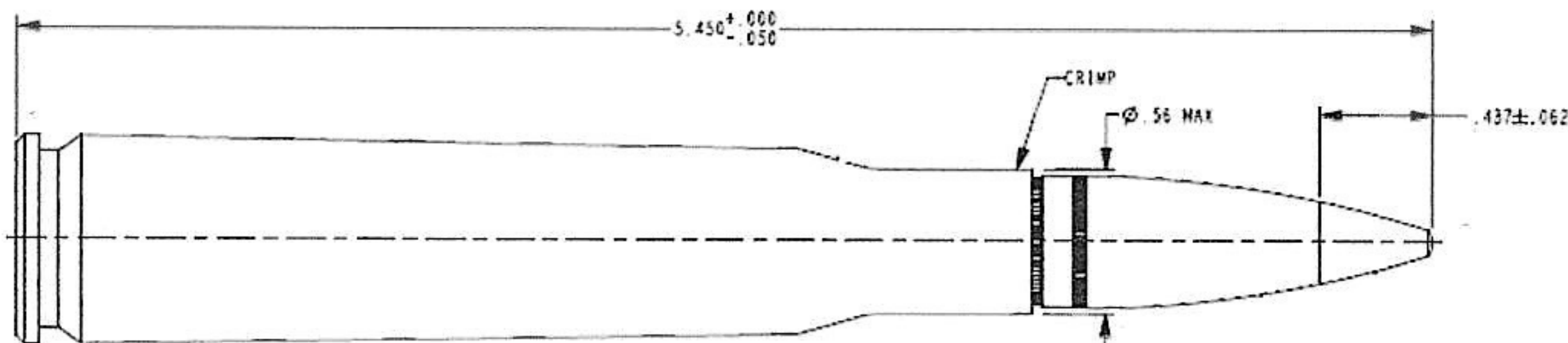
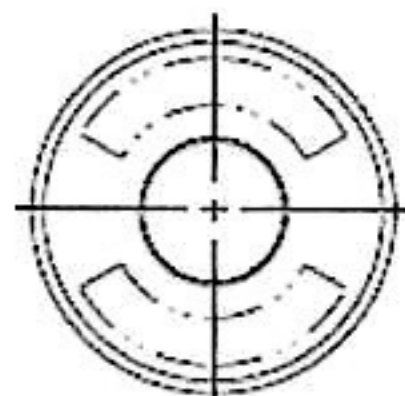
Energy: 11,344 ft-lb (15,380 joules)

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



M17



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ARMY AMMUNITION PLANT

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)

Rounds/Pallet: 6,000

Length: 1219mm (48in)

Width: 788mm (31in)

Height: 737mm (29in)

Gross Weight: 800kg (1,900lb)

N.E.W.: 98kg (216lb)

COMPLETED PALLET DETAIL – WITH CRATE:

Quantity: 48 Crates per Pallet

Rounds/Pallet: 9,600

Length: 1,283mm (51in)

Width: 1,099mm (43in)

Height: 953mm (38in)

Gross Weight: 1,725kg (3,803lb)

N.E.W.: 157kg (347lb)

Note: All dimensions and weights are approximate