

ANTI-AIRCRAFT AMMUNITION 12.7x108 MM

This ammunition is used for guns type A54, 56 and 77. It is available in two denominations:

- API (Armour Piercing Incendiary).
- API/T (Armour Piercing Incendiary, Tracer).

It can damage or destory an aircraft within a range of 1500 metres and light armoured vehicles or vessels within 500 metres.

DATA

Complete Round

Length

147 mm.

Weight:

API

116-126 gm.

API/T

112-122 gm.

Propellant

Single base smokeless powder

PERFORMANCE

Bullet velocity

818-833 metre/sec.

Effective range:

Air targets

1500 metre

Ground targets

500 metre

Chamber pressure:

Mean

3000 kg/sq.cm.

Max.

3300 kg/sq.cm.

Penetration:

API

20 mm. steel plate placed at 10

metres

(min.90% bullets penetrate through

the plate)

API/T

15 mm. steel plate placed at 10

metres

(min.90% bullets penetrate through

the plate)

PACKING

280 rounds packed in a H14P steel box:

Size of box 40x1

Weight of box

40x16.5x30 cm.

Colour & Marking

42kg.

r & Marking Service brown with yellow/white

stencilling





AIRCRAFT AMMUNITION 23 MM

23 mm calibre mmunition with percussion primer is compatible with 23 mm Aerogun Model 1 and
2. The ammunition is normally used in belts in comprising links type A.

DATA

The following versions are available:

Type of complete round	Fuze	Cartridge case	Propellant	Velocity (m/sec)	Pressure (kg/cm ²)	Range (metres)
TP	Dummy	70/30 Brass	Single base smokeless 4/7	720	3000	2550
HEI	AP-24	70/30 Brass	Single base smokeless 4/7	720	3000	2550
API		70/30 Brass	Single base smokeless 4/7	720	3000	2550

PACKING

132 rounds (unbelted packed in a wooden box:

Size of box

69x42x18 cm

Weight of box

45 kg.

Colour & marking

Service brown with yellow/white

stencilling





AIRCRAFT AMMUNITION 30 MM

This ammunition is suitable for use with 30mm. HP aircraft gun M1 fitted F-6 (MIG 19) aircraft and is available in the following three types:

- Bal
- HEI (High Explosive Incendiary)
- · API (Armour Piercing Incendiary)

DATA



Weight 835 - 840 gm. Length 264 - 267 mm.

PROJECTILE

Body material Forged steel

Colour

Ball White band
HEI Red band

API Red band No band

Fuze Ball P.R.F

HEI 30-2 or fuze No. 6 API No. 8

Weight - 401 -416gm.

CARTRIDGE CASE

Body material Drawn brass 70:30

Propellig charge Single base propellant NCHN 5/7

Weight of charge 96 gm.

Primer Percussion type 330

PERFORMANCE

The ammunition is fed into the gun in link belts.

Muzzle velocity 800 metres/sec.
Pressure 3050 kg/sq. cm.

Range 2000 metres

Accuracy:

PE vertical 1.05 metres
PE horizontal 1.05 metres

PACKING (WIHTOUT LINKS)

Ball

12 rounds Ball packed in steel box measuring 31 x 16 x 19.5 cm. 3 steel box (36 rounds) packed in a wooden crate:

Size of wooden crate 55 x 37.5 x 26 cm.

Weight of wooden crate 48 kg.

ii. HE/API

27 rounds HE/API packed in tin liner which is packed in a wooden

box:

Size of box 44x33x 19 cm.

Gross weight of box 31kg.

Colour & marking Service brown with yellow/white stencilling



ANTI MISSILE AMMUNITION 20 MM X 102 PHALANX AMMUNITION

(FOR VULCAN PHALANX GUN)

This ammunition is used in an American manufactured 6 barrelled Gatlin type Gun, which is contained in its Automatic controlling structure. The gun has a very high rate of fire and high muzzle velocity and is designed as an Anti missile weapon. The bullet is Armour Piercing and contains no explosive.

DATA

COMPLETE ROUND

258.5±4gm Weight 167.5+0.7 mm Length -0.5 mm

PROJECTILE

Length

Tungsten Alloy W95NE-H Material (Penetrator)

Red Colour

93.5+2 gm Weight 74+0.5 mm

-0.2 mm

CARTRIDGE CASE

Brass 70:30 Material 120.45±3.3 gms Weight 101.9 -0.38 mm Length

44 ml approx. Volume Single Base Propellant

Propelling Charge 40 gm Charge Weight

Electric M52A3B1 Primer

PERFORMANCE

The Ammunition is fed into gun in link belts

3000 Rounds/Minute Rate of Firing 1135 + 15 m/sec Muzzle Velocity 4075 kg/cm² Max Pressure 1000 meter Range

PACKING (Without links)

36 Rounds in a steel Box (M2A1) Measuring 31 x 16 x 19.5 cm 03 Steel Boxes (108 rounds) packed in a wooden crate (P-213)

55 x 37.5 x 26 cm Size of wooden Crate

49 kg Gross Weight

Service brown with yellow/white Colour & Marking

stencilling



ANTI-AIRCRAFT AMMUNITION 37 MM HE/T

This ammunition is suitable for use with 37mm field artillery AA guns. Model 1955, including twin version.

This is used to destroy low altitude aircraft and missiles. It is also effectively used against ground targets.

DATA

Complete Round

Weight 1.490kg.

Length 381 - 384 mm.

PROJECTILE

Body material Forged steel

Filler RDX/Aluminium 36 gm.
Tracer No.405 time ≥ 6 sec

Fuze HEI with self destroying element (9-12,

sec. delay)

Weight 732 gm.

CARTRIDGE CASE

Body material Drawn brass 70/30

Propellig charge Single base propellant HN 7/14, 200 gm.

Primer Percussion type No. 12 MK4/LA (Modified)

PERFORMANCE

Muzzle velocity 866 metres/sec.

Range 8500 metres

Accuracy:

PE horizontal 1.15 metres PE longitudinal 1.05 metres

Firing rate 180 RPM

PACKING

Each round packed in a waterpoof re-useable plastic container. 20 rounds packed in a wooden box C-13/P:

Size of box 46x36x30 cm.

Weight of box 43kg.

Colour & Marking Service brown with yellow/white

stenciling







AIRCRAFT AMMUNITION BOMB HE AC 500 LBS

(250 KG) NK-P8 (LOW DRAG)

This is a multipapose borth strillar to US type MR62, having low sentifynamic resistance and is designed to be carried on supersonic avoids. It is made from larged carbon deel economing to 85–3922.

For high attacker missions it is fitted with conventional the assembly (Consul first assembly MAU-938) and fuzzes M-901 & 905. For lose level insessions, it is fitted with retairdor fill assembly (MK-15 MCO-4) with mose fuzze M-904. Yours be used on all American bomb tacks, French bomb cacks (MM-3, RPK-32 & RPK-10) of Minage secret having bonto tacks in agent. Can also be used on Birtash secret forms release stips having hooks with 147 Second.

DATA

Length of bornb with:

i) Retarder for assy. 2280 mm. ii) Conventional for assy. 2210 mm. Bords bods deserving. 275 mm.

Weight of bomb with:

ij Retarder fin assp. 254.54 kg. ij Conventional fin alovy 241.36kg.

Explosive charge, PDX/TNT 90 kg.

PACKING

6 borriers packed in steel fature.

Size of steel future 1.68x0.98x0.78 metre

Gross weight of sleet habite 1600kg

Colour & marking Black with yellow/white stenciling



