

Small Arms Ammunition

9 X 19 mm Ball (1Z & 2Z)



This ammo is available in two variants.

a. 9x19 mm Ball P1 MK1Z Used for Pistol

b. 9x19 mm Ball MK2Z Used for 9 mm SMGs

Technical Data

	9mm Ball P1 MK1Z	9mm Ball MK2Z
Length of complete round	28.90~29.69 mm	28.90~29.69 mm
Weight of complete round	12.06~12.84 gm	12.06~12.84 gm
Propellant	Single base P2PHY	Single base P2PHR
Bullet Jacket	Gilding metal (GM)	Gilding metal (GM)
Cartridge Case	Brass 70/30	Brass 70/30

Performance

	9mm Ball P1 MK1Z	9mm Ball MK2Z
Muzzle Velocity	341 m/sec at 18.28 meters	395 m/sec at 10.00 meters
Mean chamber pressure	1763.8 Kg / cm ²	3059.1 Kg / cm ² (Radial)
Maximum range	100 m	150 m
Accuracy:	Rectangle of ≤ 254 x 152.4 mm at 25 m	MFOM 76.2 mm at 50 m

Packing

50 rounds packing in a carton, 20 cartons (1000 rounds) packed in a Tin Liner.

Outer packing wooden box.

Net weight	12 Kg
Gross weight	15 Kg
Size of box	32.0 x 28.0 x 12.7 cm.

The packages are supplied with the standard marking.

Small Arms Ammunition

7.62 x 25 mm (30 BORE)



Cartridge 7.62 x 25 mm is used for .30 Bore Pistols.

Technical Data

Length	34.25 ~ 34.85 mm
Weight	10.20 ~ 10.30 gm
Propellant	Single base P2 PHR
Bullet Jacket	Gilding Metal (GM)
Case	Brass

Packing

50 rounds packed in a carton with plastic tray, 64 cartons (3200 rounds) packed in a polythene bag with an outer packing of steel /plastic box.

Net weight	32.8 Kg
Gross weight	38 Kg.
Size of box:	
Plastic	42.5 x 16.5 x 29.5 cm.
Steel	42.3 x 16.4 x 29.1 cm.

The packages are supplied with the standard marking.

Small Arms Ammunition

7.62 x 39 mm Ball



Cartridge 7.62 x 39 mm is used in any standard 7.62 x 39 mm caliber weapon, in single shot or burst in diverse field conditions.

Technical Data

Length of complete round	55 ~ 56 mm
Weight of complete round	16.15 ~17 gm (Approx) (GMCS) 18.06 gm (Approx) (Brass)
Propellant	Single base pyroxyly powder (PAX)
Bullet Jacket	Gilding metal (GM)/Gilding Metal Clad Steel(GMCS)
Cartridge Case	Gilding Metal Clad Steel (GMCS) / Brass

Performance

Muzzle Velocity (at 2 m)	732 ~ 747 m/s
Mean chamber pressure	≤ 2800 Kg / cm ²
Maximum range	1000 m
Accuracy:	Mean Radii 82.55 mm at 200 Yards

Packing

20 rounds are packed in a carton and 84 cartons (1680 rounds) are further packed in polythene bag. Mouth of the bad is to be sealed. This polythene bag is further packed in steel box.

Net weight	30.35 Kg
Gross weight	36.18 Kg (Approx)
Size of box	42.5 x 16.5 x 29.5 cm.

The packages are supplied with the standard marking.

Small Arms Ammunition

7.62 x 39 mm Blank



Cartridge 7.62 x 39 mm Blank is produced for use in any standard 7.62 x 39 mm caliber weapon. It can be used in single shot or burst under diverse field conditions.

Technical Data

Length	48.20 – 0.62 mm
Weight	H-9.20 grams, L-8.80 grams
Propellant	Single base smokeless
Cartridge Case	Brass

Packing

20 rounds packing in a carton 84 cartons (1680 rounds) packed in a polythene bag and this polythene bag is further packed in H-14/P steel box.

Net weight	16 Kg
Gross weight	23 Kg
Size of box	42.3 x 16.4 x 29.1 cm.

The packages are supplied with the standard marking.

Small Arms Ammunition

7.62 x 51 mm Ball & Tracer



This ammo is available in two variants:

- 7.62x51 mm Ball
- 7.62x51mm Tracer

Cartridge 7.62x51 mm is used in any NATO Standard 7.62 mm caliber weapons, in single shot or burst in diverse field conditions

Performance

	7.62mm Ball	7.62mm Tracer
Muzzle Velocity(at 27.43 m)	811m/s	794m/s
Mean chamber Pressure	3196.8 Kg / cm ²	3196.8 Kg / cm ²
Maximum range	1000 m	1000 m
Accuracy:	Mean Radii 203 mm at 457m	Mean Radii 305mm at 457 m

Technical Data

	7.62mm Ball	7.62mm Tracer
Length of complete round	70.36~71.12 mm	70.36~71.12 mm
Weight of complete round	23.976gm approx	23.392gm approx
Propellant	Single base propellant	Single base propellant
	NC-1055 (PCB)	NC-1055 (PCC)
Bullet Jacket	Gilding metal (GM)	Gilding metal clad steel (GMCS)
Cartridge Case	Brass 70/30	Brass 70/30

Packing

7.62mm Ball	20 rounds packing in a carton
For Rifle G-3	50 cartons (1000 rounds) packed in Polythene bag. Outer packing steel box
Net weight	24 Kg
Gross weight	32 Kg
Size of box	42.5x16.5x29.5 cm 7.62mm Belted 250 rounds linked in a belt DM-1 & DM-6
For MG-3	One belt packed in Plastic/steel box. 4 boxes (1000 rounds) packed in a wooden/steel crate.
Net weight	24 Kg
Gross weight	36 ~ 41 Kg
Size of Steel box	40.95 x 34.8 x 29.5 cm.
Size of Plastic box	43.2 x 37.85 x 31.25 cm
Gross weight (Plastic box)	36 Kg

The packages are supplied with the standard marking

7.62 x 51 mm Blank (STAR)



Cartridge 7.62 x 51 mm Blank for use in any NATO Standard 7.62 mm caliber weapon, in single shot or burst in diverse field conditions.

Technical Data

Length	67.7 ~ 68.7 mm
Weight	13 gm (approx)
Propellant	Single base P3
Cartridge Case	Brass

Packing

20 rounds packing in a carton 50 cartons (1000 rounds) packed in steel box.

Net weight	14 Kg
Gross weight	21 Kg
Size of box	42.5 x 16.5 x 29.5 cm

The packages are supplied with the standard marking.

7.62 x 51 mm Rifle Grenade



Use in Rifle G-3 with Grenade Hand ARGES P1 MK-1

Performance

Muzzle velocity 50 m/s with sleeve at 7.50 m, Sleeve weight 767.5 ~ 768.5 gram

Technical Data

Length	51.562 mm (Max)
Weight	14.6 gm (Max)
Propellant	Double Base Smokeless Powder Ballistile-3.5
Cartridge Case	Brass

Packing

20 rounds packing in a carton 50 cartons (1000 rounds) packed in steel box.

Net weight	13.25 Kg
Gross weight	20 Kg
Size of box	42.5 x 16.5 x 29.5 cm.

The packages are supplied with the standard marking.

Small Arms Ammunition

7.62 x 54 mm BALL & Tracer



This ammo is available in two variants:

- a. 7.62 x 54 mm Ball
- b. 7.62 x 54 mm Tracer

Cartridge 7.62 x 54 mm for use in any 7.62 x 54 mm caliber weapon, in single shot or burst in diverse field conditions

Technical Data

	7.62 mm Ball	7.62 mm Tracer
Length of complete round	75.93~76.70 mm	75.93~76.70 mm
Weight of complete round	27 gm (Approx)	26.35 gm (Approx)
Propellant	Single base propellant NC-1055 (PCB)	Single base propellant NC-1055 (PCC)
Bullet Jacket	Gilding metal (GM)/ Gilding Metal Clad Steel (GMCS)	Gilding Metal Clad Steel (GMCS)
Cartridge Case	Brass 70/30	Brass 70/30

Performance

	7.62 mm Ball	7.62 mm Tracer
Muzzle Velocity (at 27.43 meters)	823 m/s	808 m/s
Mean Chamber Pressure	3196.8 Kg / cm ²	3196.8 Kg / cm ²
Maximum range	1200 m	1200 m
Accuracy:	Mean Radii 254 mm at 457 m	Mean Radii 381 mm at 457 m

Packing

250 rounds linked in one belt. One belt packed in a Tin Liner. 2 Tin liners (500 rounds) packed in wooden box.

Net weight	13.5 Kg
Gross weight	22 Kg
Size of box	42.5 x 26.0 x 23.5 cm