



SOCIETATEA UZINA MECANICA SADU S.A.

manufacturer and exporter

tradition & power



Military Ammunition

The use of these cartridges for military purpose resulted in the amassing of an impressive experience of work and in a continuous diversification of models, according to the destination and performances required by our valued customers.

Each of the three main calibers (5,45 x 39 mm , 7,62 x 39 mm and 7,62 x 54 R mm) can be offered in different constructive alternatives :

- Ball, designed to destroy the living force, bare or behind obstacles;
- Armour piercing – incendiary, designed to perforate armors with thickness up to 10 mm ;
- Tracers, for military exercise and correction of shot trajectory;
- Blank, for military training;

5,56 x 45 mm and 7,62 x 51 mm ammunition are manufactured and tested according to military standards and NATO specifications , using high quality raw materials, double base propellant and non-corrosive Boxer – primers.

CALIBRE (mm)		MATERIAL			LENGTH		WEIGHT			Muzzle Velocity V ₂₅ (m/s)	Maximum gas pressure (kgf/cm ²)
		Bullet core	Bullet jacket	Cartridge case (g)	Total (mm)	Bullet (mm)	Total (g)	Bullet (g)	Cartridge case (g)		
1.	5,45 x 39 FMJ	Lead	Bimetal	Steel	56,9	24,95	11,3	4	5,65	830 + 10	3100 CRUSHER
2.	5,45 x 39 BLANK	-	-	Steel	46,3	-	7,25	-	6	-	-
3.	5,56 x 45 (SS109)	Steel	Bimetal	Brass	57,4	23,1	12,5	4	6,7	V ₂₄ 914 ± 12	3875 EPVAT
4.	5,56 x 45 FMJ	Lead	Bimetal	Brass	57,4	19,1	12,2	3,5	6,7	V ₂₄ 965 ± 12	3875 EPVAT
5.	7,62 x 51	Lead	Bimetal	Brass	71,1	28,95	25,46	9,65	11,65	V ₂₄ 838 ± 9	3875 EPVAT
6.	7,62 x 39 BALL	Steel	Bimetal	Steel	56	26,8	16,8	8,05	6,8	710 + 15	3300 EPVAT
7.	7,62 x 39 TRACER	-	Bimetal	Steel	56	28	16,5	7,70	6,8	710 ± 15	2800 CRUSHER
8.	7,62 x 39 BLANK	-	-	Steel	49,4	-	8,8	-	7,3	-	-
9.	7,62 x 39 FMJ	Lead	Bimetal	Steel	56	26,8	16,8	8,05	6,8	710 ± 15	3300 EPVAT
10.	7,62 X 54 R BALL	Steel	Bimetal	Steel	76,91	32,3	23,3	9,75	8,65	820 + 15	3650 EPVAT
11.	7,62 X 54 R TRACER	-	Bimetal	Steel	76,91	35,4	23,1	9,9	8,65	790 + 15	2900 CRUSHER
12.	7,62 X 54 R BLANK	-	-	Steel	53,72	-	10,8	-	8,65	-	-
13.	7,62 X 54 R FMJ	Lead	Bimetal	Steel	76,91	28,4	23,2	9,75	8,65	815 + 20	3650 EPVAT

Military Ammunition



7,62 x 54 R



7,62 x 39



5,45 x 39



5,56 x 45

7,62 x 51



HUNTING CARTRIDGES:

5,45x39 mm FMJ; 7,62x39 mm FMJ; 7,62x54 R mm FMJ;

Ammunition for pistols

The pistol ammunition range includes various calibers, from 7,65 to 9 mm, with different versions of bullets, the most commonly used in the world.

Due to the simple construction and narrow production tolerances, these cartridges cumulate very good ballistic performances, being specially designed to be used by law enforcement troops, hunters, marksmen and sportsmen throughout the world.

CALIBRE (mm)		MATERIAL			LENGTH		WEIGHT			Muzzle Velocity V ₂₅ (m/s)	Maximum gas pressure (kgf/cm ²)
		Bullet core	Bullet jacket	Cartridge case (g)	Total (mm)	Bullet (mm)	Total (g)	Bullet (g)	Cartridge case (g)		
1.	7,65 x 17	Lead	Tombak	Brass	25	12	7,93	4,85	2,6	V _{12,5} 305 ± 10	1350 CRUSHER
2.	9 x 18 MAKAROV	Lead	Bimetal	Brass	24,95	12,3	10,65	6,45	3,85	V _{12,5} 350 ± 10	1800 EPVAT
3.	9 x 19 PARABELLUM	Lead	Bimetal	Brass	29,6	15,2	12,35	7,45	4,2	V ₁₆ 385 ± 10	2345 EPVAT
4.	9 x 19 PARABELLUM	Lead	Bimetal	Brass	29,6	15,2	12,9	8	4,2	V ₁₆ 370 ± 10	2345 EPVAT
5.	9 x 19 SUBSONIC	Lead	Bimetal	Brass	29,6	16	12,5	8	4,2	V ₁₆ 305 ± 10	1800 EPVAT
6.	9 x 19 LUGER	Lead	Bimetal	Brass	29,6	15,65	12,2	7,45	4,2	V ₁₆ 380 ± 10	2345 EPVAT

7,65 x 17



9 x 18 Makarov



9 x 19 Parabellum

