

# Ammo: 7.62x39mm (Soviet / Russian / Finnish)

## Overview

The 7.62x39mm is the iconic Soviet intermediate cartridge, primarily used by the AK-47, AKM, AK-103, and the Finnish Rk 62 platforms. Compared to NATO 5.56mm, it offers superior **barrier penetration** and raw energy at close-to-medium ranges, but suffers from significantly more **bullet drop** and slower muzzle velocity.

## Russian (AFRF) Combat Rounds

### 7N23 (BP)

- **Visual ID:** Black Tip
- **Role:** Modern Armor Piercing The "BP" (Broneboynaya) is the modern standard for high-threat environments. It features a hardened steel core designed to defeat modern body armor.
- **Pros:** Excellent balance of lethality and armor penetration; reliably defeats Level III plates.
- **Cons:** Harder to find in large quantities; high recoil compared to 5.45mm counterparts.

### 57-BZ-231 (BZ)

- **Visual ID:** Black and Red Tip
- **Role:** Armor-Piercing Incendiary A specialized combat round that combines a hardened penetrator with an incendiary charge.
- **Pros:** Can ignite vehicle fuel tanks and ammo crates (ACE Cook-off); high chance to start fires on impact.
- **Cons:** Over-penetrates soft targets; projectile trajectory can be slightly inconsistent at long range.

## Finnish (GREF/Valmet) Variants

### M78 (Ball)

- **Visual ID:** Plain / Steel Case
- **Role:** Finnish Standard Issue (Ball) The standard round for the Rk 62 and Rk 95. In RHS: GREF, it is modeled with slightly better consistency than surplus Soviet PS.
- **Pros:** Very reliable muzzle velocity; high fragmentation in unarmored targets.
- **Cons:** Struggles against Level IV ballistic plates.

## M82 (API)

- **Visual ID:** Black and Red Tip
- **Role:** Finnish Armor-Piercing Incendiary The Finnish equivalent to the Soviet BZ round.
- **Pros:** Specifically designed for the Valmet platforms (Rk 62/95); provides excellent anti-material performance.
- **Cons:** Rare availability; high visibility tracers (if using the tracer variant).

## Legacy & Specialty Rounds

### 57-N-231 (PS)

- **Visual ID:** Plain / Steel Case
- **Role:** Legacy Standard (Ball) The ubiquitous “Steel Core” ball round. It has been the global standard for decades.
- **Pros:** Massive availability; punches through wood and thin metal better than 5.56mm Ball.
- **Cons:** Struggles significantly against modern ceramic body armor; inconsistent fragmentation.

### 57-N-231U (US)

- **Visual ID:** Black Tip with Green Ring
- **Role:** Subsonic / Stealth “Umen'shennoy Skorosti” (Reduced Velocity) rounds designed specifically for use with the **PBS-1 Suppressor**.
- **Pros:** Nearly silent when suppressed; effective for sentry removal without alerting nearby AI.
- **Cons:** **Extreme bullet drop** Velocity is roughly 300 m/s. Aiming at 100m+ requires massive hold-over.

## Tracers & Logistical IDs

Type	Matching Round	Notes
<b>57-N-231P</b>	T-45	Green tip. Standard Soviet tracer (Green trace).
<b>6L10</b>	57-N-231	Standard 30rd Bakelite (Orange) magazine pre-loaded with PS.
<b>Rk 62 Mag</b>	M78	Finnish steel-ribbed magazine pre-loaded with Finnish Ball.

## Ballistic Comparison Table

Round	Weight	Velocity	Armor Pen.	Soft Damage	Ideal Range
<b>57-N-231 (PS)</b>	123 gr	715 m/s	Medium	High	0 - 300m
<b>7N23 (BP)</b>	121 gr	725 m/s	High	High	0 - 350m
<b>M82 (API)</b>	119 gr	730 m/s	<b>Very High</b>	<b>Incendiary</b>	0 - 300m
<b>57-N-231U (US)</b>	193 gr	300 m/s	Very Low	Moderate	0 - 100m

## Deployment Summary

- **General Infantry (AKM/AK-103):** Standardize on **57-N-231 (PS)** for general suppression and

**7N23 (BP)** for armored engagements.

- **Finnish Forces (Rk 62):** Use **M78** as the primary loadout. The **M82 API** should be reserved for anti-vehicle roles.
  - **Saboteur / Stealth:** Use **57-N-231U (US)** strictly with the **PBS-1 Suppressor**.
  - **Historical Scenarios:** Use the **6L10 Bakelite** magazines for Cold War era aesthetics.
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