

# 7.62 x 39 mm, BALL M43

## Rifle ammunition

Full metal jacket bullet, steel+ lead/antimony alloy core. For military applications, training and target shooting. UN transport classification UN 0012. Hazard Division 1.45.

### Dimensions and weight:

• Round length, maximum (mm)	55.8
• Bullet length, maximum (mm)	22.5
• Case length, maximum (mm)	38.7
• Round weight (g)	approx. 17.0
• Bullet weight (g)	7.97 ± 0.10

### Powder charge:

- Type: spherical double base propellant
- Weight (g): 1.50-1.70

### Characteristics (Meet General Specification for PdD SAWS Small Caliber Ammunition requirements):

• Velocity at 24m, 21±2°C, standard EPVAT proof barrel of 600 mm length (m/s)	715 ± 10
• Maximum pressure, average, 21±2°C, standard EPVAT proof barrel by CIP (bar)	≤3300
• Precision, average mean radius, target at 100 m, standard proof barrel of 600 mm length (mm)	≤35
• Penetration of mild steel plate at 400 m from the muzzle of barrel, given by thickness of perforated plate (mm)	3
• Operating temperature (°C)	-54 to +52
• Storage temperature (°C)	-5 to +3
	(with daily temperature differences less than 10 °C)
• Bullet extraction force, average (N)	≥300
• Waterproofness	Cartridges are waterproof (bubbles test)
• Functioning	Cartridges function all specified weapons without casualty at ambient temperatures, at -54°C and +52°C
• Shelf life under storage conditions, minimum, years	15

### Round elements:

• Case material	Brass 70/30
• Bullet jacket material	Brass 90/10 (gilding metal)
• Core material	Steel and lead/antimony alloy
• Primer cup type, model	Boxer type, non-corrosive, ø5.5 LR

### Packaging (suggested, can vary according to the specific requirements):

• Type	10 rounds in small carton box, 90 small carton boxes (900 rounds) in the M2A1 waterproof metal box, 51 M2A1 metal boxes on the pallet (45,900 rounds)
• Case/box dimensions (mm)	M2A1 metal box: 279.4x141.3x171.5; pallet: 1200x800x670
• Case/box gross weight (kg)	M2A1 metal box: approx. 18.5; pallet: approx. 963
• Case/box volume (dm <sup>3</sup> )	M2A1 metal box: 6.7; pallet: 643