

# 7.62 x 39 mm BALL M43

## Rifle ammunition

**Description :** Full metal jacket bullet, steel + lead/antimony alloy core. For military applications, training and target shooting. UN transport classification UN 0012. Hazard Division 1.4S.

### Dimensions and weight :

• Round length, maximum (mm)	56
• 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 (depends of powder type)

### Characteristics :

• Velocity at 24m, 21±2oC, standard EPVAT proof barrel by CIP of 600 mm length (m/s)	710 – 725
• Maximum pressure, average, 21±2oC, standard EPVAT proof barrel by CIP	≤3300
• Precision, average mean radius, target at 100m, standard precision proof barrel	≤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 +35(with daily temperature differences less than 10 °C)
• Bullet extraction force 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 if stored in standard packing of the producer in regular storehouse conditions, minimum, years	20

### 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

