

12.7 x 108 mm, AP(Armor Piercing)

Sniper ammunition

DESCRIPTION :

Full metal jacket bullet, steel/lead-antimony core/incendiary mixture. For military applications. UN transport classification UN0300, 1.4G

Dimensions and weight

• Maximum round overall length	147 mm
• Bullet length, max	64.5 mm
• Case length, max	108 mm
• Round weight, approx.	134 g
• Bullet weight	48.2 ±0.8 g

Powder charge

• Type	Spherical double base or cylindrical multiperforated single base propellant
• Weight	14.5 – 16.5 g (depending of propellant type)

Cartridge

• Average velocity at 24m, 21±2°C, standard proof barrel of 1008 mm length	810-825 g
• Range of experimental velocities for the testing group of rounds	≤30
• Average maximum case mouth pressure (piezo, K6215), standard proof barrel of 1008mm length, at 21 °C, -54°C and 52°C.	≤3400 bar
• Individual maximum case mouth pressure (piezo), standard proof barrel of 1008mm length, at 21 °C, -54°C and 52°C.	≤3600 bar
• Precision, target at 100m, standard proof barrel of 1008 mm length, average mean radius	≤60 mm
• Penetration, complete, for minimum 90% of rounds in testing group 90 ° angle of incidence, armor plate at 100 m from muzzle, armor plate thickness	≤20 mm
• Incendiary performance (according to the NATO MOPI AEP-97 EDAV1) The bullet shall ignite and produce an incendiary flash in less than 600 mm behind an aluminum/mild steel target of 2mm nominal thickness placed at 100 meters from the muzzle, normal to the line of fire.	
• Bullet extraction force	2000 - 5500 N
• Waterproofness, testing by bullet velocity (at 24m) of cartridges prior submerged in water during 24 hours difference of average wet velocity and average velocity of non-treated cartridges shall be	≤ 20 m/s, with all bullets clearing the bore
• Operating temperature	-54 to +52 °C
• Storage temperature	-10 to +35 °C
• Functioning	Cartridges function all specified weapons without casualty at 21 °C, -54°C and +52°C
• Shelf life under storage conditions, minimum, years	15

Round elements

• Case	Material	Brass 70/30
• Bullet jacket	Material	Steel plated with gilding metal
• Core	Material	Steel core enveloped with lead/antimony alloy (with incendiary composition in the tip)
• Primer	Type, model	Berdan type, non- corrosive, non-mercury

Packaging (optional, can vary according to the specific requirements)

• Type	104 rounds in the metal sheet box, 70 boxes (7280 rounds) on the pallet
• Packages dimensions	Metal box: 310x165x156 Pallet: 1140x760x920 mm
• Box/pallet gross weight	Metal box: approx. 16.8 pallet: approx. 1180 kg
• Box/pallet volume	Metal box: 7.98, Pallet: 797.1

