

9 x 19 mm, BALL

Pistol ammunition

Intended use for all pistols and submachine guns, caliber 9x19.

Round type **BALL**

Dimensions and weight

Round length, max (mm)	29.69
Bullet length (mm)	15.65
Case length (mm)	19.10
Round weight (g)	approx. 12.80
Bullet weight (g)	8.00 ± 0.10

Powder charge

Type	spherical double base propellant
Weight (g)	0.36 - 0.39

Characteristics (Meet MIL-C-70508 and STANAG 4090 requirements)

Velocity at 16m, 21±2°C, standard proof barrel of 200 mm length [m/s]	385±15
Muzzle energy, min (J)	580
Case mouth pressure, Maximum average/Individual peak pressure, standard proof barrel (bar)	≤ 2200 / ≤ 2500
Precision, target at 50 m, standard proof barrel of 200 mm length average mean radius, H+L (mm)	≤38, ≤170
Operating temperature (°C)	-54 to +52
Storage temperature (°C)	-15 to +35
Bullet extraction force (avg./individual) (N)	min. 360 / min. 270
Waterproof	Cartridges are waterproof (bubbles test)
Function and casualty	Cartridges function all specified weapons without casualty at ambient temperatures, at -54°C and +52°C

Round elements

Case material	Brass 70/30
Bullet jacket material	Brass 90/10 (gilding metal)
Core material	Lead/Antimony alloy
Primer cup	Boxer type, ø 4.5 SP

Packaging (can vary according to the specific requirements)

Type	50 rounds in plastic waterproof box, 30 plastic boxes (1500 rounds) in the UN certified shipment carton box, 54 shipment carton boxes on the pallet (81.000 rounds)
Packages dimensions (mm)	shipment carton box: 400 x 300 x 150 pallet: 1200 x 1000 x 1050
Case/box gross weight (kg)	shipment carton box: approx. 20, pallet: approx.1100
Case/box volume (dm ³)	shipment carton box: 18, pallet: 1385