



SMALL CALIBRE AMMUNITION

5.56 X 45MM NATO BALL

UNLINKED



SYSTEM OVERVIEW

5.56 x 45 mm NATO 62-grain Ball ammunition supplied as separate, unlinked cartridges. Qualified to STANAG 4172 for consistent precision and reliable performance across demanding temperature and operating conditions.

GENERAL

Calibre	5.56 x 45 mm NATO
Ammunition type	62 gr Ball
Supply form	Unlinked cartridges
Total length	57.40 mm (-0.70)
Total weight	11.85 g (+/-0.45)
Bullet weight	62 gr / 4.00 g (+/-0.10)
Bullet length	23.10 mm (+/-0.20)
Bullet extraction	>=200 N
Case length	44.70 mm (-0.25)

COMPLIANCE

NATO standard	STANAG 4172
Qualification	AC/225 (LG/3-SG/1) D/8
Qualification	PFP (NAAG-LG/3-SG/1) D(2004)1

MATERIALS & COMPONENTS

Bullet	Ball
Bullet material	CuZn10 jacket; 35B2 steel penetrator; lead-antimony rear core (2.2%)
Case material	CuZn30
Propellant	Double-base, smokeless
Primer	Boxer percussion; non-corrosive, non-mercuric
Waterproofing	Case mouth and primer joint sealed

BALLISTIC PERFORMANCE

Velocity at 24 m	911 +/- 15 m/s at 21 C
Muzzle energy	>=1564 J
Energy at 24 m	>=1480 J
Precision at 550 m	H/V standard deviation <=200 mm
Trajectory at 300 m	V <=125 mm; H <=175 mm
Trajectory at 500 m	V <=275 mm; H <=385 mm
Terminal effect	570 m: >=90%; 3.5 mm steel