



9 X 19 MM

FMJ - 7,5 G (115 GR)

9 x 19 mm LUGER - cartridge

The 9 x 19 mm LUGER has become the most popular caliber for law enforcement agencies and modern sports shooting because it can be used with a wide range of self-loading compact pistols and sub-machine guns with large magazine capacity.

9 mm LUGER – FMJ bullet

The full metal jacket bullets with lead core weigh 7.5 g.
The jacket is made of CuZn10/30 and the bullet core is made of PbSb.

9 x 19 mm LUGER – case

The caliber 9 x 19 mm CuZn30 case is designed to house the powder charge, the primer and the bullet.

All data provided are indicative and subject to change.

SPECIFICATIONS

Technical Specification

CARTRIDGE

Caliber	9 x 19 mm
Weight	max 12.15 g
Length	max 29.69 mm

BULLET GRAIN

Type	FMJ, Ball
Weight	7.5 g ± 0.1 g (62 grain)
Length	max 15.2 mm
Material	Jacket - CuZn10/ CuZn30; Core - Lead
Extraction	≥ 200 N

CASE

Length	max 19.15 mm
Material	CuZn30

PRIMER

Type	Boxer, non-corrosive, non-toxic
Propellant	Smokeless Powder (Double Base)
Waterproof	No sealant applied (applied upon request)

The 9x19, Ball, Parabelum ammunition produced in ATS AMMO is in compliance with STANAG 4090 and the NATO manual. PFP(NAAG-LCG/1-SG/1)WP(2010)0002 as well as with MOPI 9mm and C.I.P. The ammunition can be fired from all of the NATO nominated weapons: HP Browning; Beretta 92F; Glock 17,19,34; Sub-Machine gun PM12S; Sub-Machine gun MP5.

ELECTRONIC PRESSURE AND VELOCITY (KIAG 6215)			
Ammunition Temperature	+21°C ± 2°C	+54°C & -54°C	
Velocity (at 24 m, m/s)	$V = 360 \pm 8 \text{ m/s}$	Max Velocity Difference between +52°C/ -54°C and 21°C samples is $\pm 30 \text{ m/s}$	
Velocity (at 5 m, m/s)	$V = 380 \pm 8 \text{ m/s}$		
Standard Deviation	$\leq 9 \text{ m/s}$	No requirement	
Max Corrected Mean Case Mouth Pressure, MPa	$P + 3SD \leq 285 \text{ Mpa}$	Max case mouth difference between +52°C/ -54°C and 21°C samples is $\pm 65 \text{ Mpa}$	
Action Time (ms)	$\leq 3 \text{ m/s}$	No requirement	
Muzzle Energy (at 16 m, J for grain bullet weight 7-8.3 g)	491 - 713 J	No requirement	
Precision (at 46 m)	$Mr \leq 50 \text{ mm}, \text{HSD} \leq 50 \text{ mm} \ \& \ \text{VSD} \leq 50 \text{ mm}$		
Function and Casualty	Permissible percentage of defects was not exceeded		
Primer sensitivity critical high method (run down)	Test ball $55 \pm 0.57 \text{ g}$	H +5 SD ≤ 350	H - 2 SD ≤ 75
Waterproof test	No more than 15% of the tested rounds have leaks		

Compatibility with: STANAG 4090; PFP(NAAG-LCG/1-SG/1)WP(2010)0002, MOPI 9mm and C.I.P.

PACKING	
Micro	50 rounds (fiberboard box W/ plastic separator)
Makro	1000 rounds, ADR 1.4 S, UN0012 certified fiberboard case
Weight (1000 rounds)	Net: 11,75 kg
	Gross: 12,6 kg
	NEQ: 0,360 kg
Hazard class	1,4 S
UN Classification	CARTRIDGES, SMALL ARMS

Packaging options are available based on the buyer's request. Cartridges can be supplied in standard outer cartons or, for an additional cost, in metal M2A1 boxes. All shipments are palletized, with boxes and pallets marked according to the customer's specifications.

V = Corrected velocity
XCP = Corrected mean chamber pressure
HSD = Horizontal standard deviation
VSD = Vertical standard deviation
Mr = Mean radius

Outsourcing Components

ATS® Ammunition has its own top-to-bottom manufacturing of a finished Product, an output of In-house made Machines, and produces 100% In-house Materials, Components and Tooling). ATS AMMO 9 x 19 mm NATO BALL FMJ 7.5 g (115 gr) components (bullet, case, primer) are perfectly compact, customizable and *available for individual purchase*.

	 <small>Case Length: max 19.15 mm</small>	 <small>Grain Bullet Length: max 15.2 mm</small>
PRIMER	CASE 9 x 19 mm	FMJ BALL
No mercury	Unprimed	7,5 g ± 0.1 115 grain
CuZn30	CuZn30	CuZn10/CuZn30 Lead Core

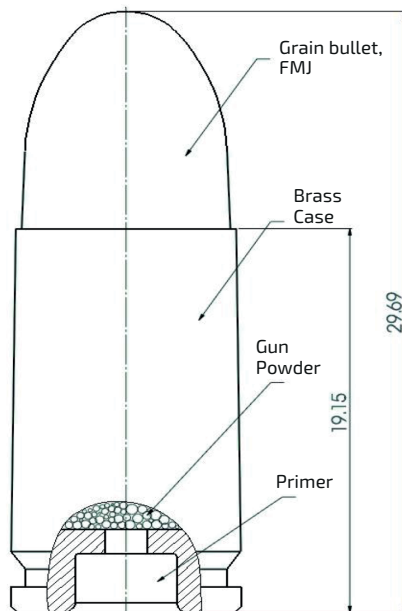


Image: Components Layout (9 x 19 mm NATO BALL FMJ 7.5 g (115 gr))
Part number: 9101907