



# **Cal. 7.62x51mm**

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M80 Ball, M62 Tracer,  
M61 AP

## Cal. 7.62x51mm | BALLISTIC DATA

Cal. 7.62x51mm with bullet	Energy (J) at 24 m from the muzzle	V <sub>23,77</sub> (m/s)	P+3Sd (bar)	Accuracy Sdx/Sdy (cm) at 550 m	Tracer visibility
M80 Ball	min. 2756	833,6 ± 9,1	max. 4450	max. 20	-
M62 Tracer	min. 2756	812,3 ± 9,1	max. 4450	max. 30	Dim trace to min. 13 m from the weapon, visible from max. 140 m to min. 775 m from the weapon
M61 AP	min. 2756	833,6 ± 9,1	max. 4450	max. 20	-

Used for 7.62x51mm weapon caliber

Penetration M80 Ball: The bullet shall completely perforate the mild plate 3,5 mm nominal (10 gauge) thickness, defined in SAE 1010 or SAE 1020, Rockwell hardness, minimum B55, maximum B70, the plate shall be placed 550m from the muzzle at 0 degree obliquity (normal to the line of fire).

Penetration M61 AP: The bullet shall demonstrate complete penetration of 6 mm thick armour plate, min.420 HB, located 100 meters from the weapon.

## Cal. 7.62x51mm | TECHNICAL DATA

Element	Material			Weight (g)			Length (mm)			
	M80 Ball	M62 Tracer	M61 AP	M80 Ball	M62 Tracer	M61 AP	M80 Ball	M62 Tracer	M61 AP	
Bullet	<i>Jacket</i>	<i>Tombac</i>	<i>Tombac</i>	<i>Tombac</i>	9,67 (149 gr)	9,46 (146 gr)	9,55 (147 gr)	29,46	34,29	32,90
	<i>Core</i>	<i>Lead antimony</i>	<i>Lead antimony</i>	<i>Lead antimony and steel</i>						
	<i>Tracer mixture</i>	-	<i>Tracer compos.</i>	-						
	<i>Cup, closure</i>	-	<i>Tombac</i>	-						
Cartridge case	<i>Brass</i>			~11,50			51,18			
Propelling charge	<i>Spherical powder</i>			~2,85	~2,80	~2,82	-			
Primer	<i>Boxer non-corrosive</i>			0,34			3,30			
Cartridge				Average Q (100) ± 1 g			71,12			

## Cal. 7.62x51mm | PACKAGING

Version 1	Version 2	Version 3	Version 4
<ul style="list-style-type: none"> <li>• 20 rounds in cardboard box</li> <li>• 28 cardboard boxes (560 rounds) in metal box M2A1</li> <li>• 2 metal boxes M2A1(1120 rounds) in wooden crate</li> </ul>	<ul style="list-style-type: none"> <li>• 20 rounds in cardboard box</li> <li>• 10 cardboard boxes (200 rounds) in PVC bag</li> <li>• 5 PVC bags (1000 rounds) in carton case</li> </ul>	<ul style="list-style-type: none"> <li>• 250 rounds in metal link belt M13</li> <li>• 2 metal link belts in metal box M2A1</li> <li>• 2 metal boxes M2A1(1000 rounds) in wooden crate</li> </ul>	<ul style="list-style-type: none"> <li>• 250 rounds in metal link belt (M13)</li> <li>• 1 metal link belts in metal box M19A1</li> <li>• 4 metal boxes (1000 rounds) in wooden crate</li> </ul>