



Cal. 12.7x99mm

M33 Ball, M17 Tracer,
M8 API, M20 APIT, M2 AP

Cal. 12.7x99mm | BALLISTIC DATA

Cal. 12.7x99mm with bullet	V _{23,77} (m/s)	P+3Sd (bar)	Accuracy Sdx/Sdy (cm) at 550 m	Tracer visibility
M33 Ball	885,4 ± 9,1	max. 4500	max. 30	-
M17 Tracer	885,4 ± 9,1	max. 4500	max. 40	Visible trace of full luminosity from a point not greater than 200 m from the muzzle of the weapon to a point not less than 1500 m from the muzzle
M8 API	885,4 ± 9,1	max. 4500	max. 30	-
M20 APIT	885,4 ± 9,1	max. 4500	max. 40	Visible trace of full luminosity from a point not greater than 200 m from the muzzle of the weapon to a point not less than 1000 m from the muzzle
M2 AP	885,4 ± 9,1	max. 4500	max. 30	-

Penetration M8 API, M2 AP, M20 APIT: The bullet shall completely perforate 22 mm thick armour plate, hardness 321-375 HB, placed at 100 m from the muzzle of the weapon.

Incendiary flash M8 API, M20 APIT: The incendiary composition of bullets shall ignite produce an incandescent flash when fired against a target at 160 m.

Cal. 12.7x99mm | TECHNICAL DATA

Element	Material						Weight (g)					Length (mm)				
	M33 Ball	M17 Tracer	M8 API	M20 APIT	M2 AP		M33 Ball	M17 Tracer	M8 API	M20 APIT	M2 AP	M33 Ball	M17 Tracer	M8 API	M20 APIT	M2 AP
Bullet	<i>Jacket</i>	Tombac	Tombac	Tombac	Tombac	Tombac	42,31 (653 gr)	40,05 (618 gr)	42,65 (661 gr)	40,12 (620 gr)	42,56 (656 gr)	58,67	58,67	58,67	58,67	58,67
	<i>Core</i>	Steel	Steel	Steel	Steel	Steel										
	<i>Tracer mixture</i>	-	Tracer compos.	-	Tracer compos.	-										
	<i>Cup, closure</i>	Lead antimony	Tombac	Lead antimony	Tombac	Lead antimony										
	<i>Filler, point</i>	Borax	Borax	Thermit comp.	Thermit compos.	Borax										
Cartridge case	Brass						~55,10					99,31				
Propelling charge	NCD powder						~15,10	~14,90	~15,10	~14,90	~15,10	-				
Primer	Boxer non-corrosive						1,23					5,54				
Cartridge							Average Q (100) ± 2g					138,43				

Cal. 12.7x99mm | PACKAGING

Version 1	Version 2	Version 3
<ul style="list-style-type: none"> • 140 rounds in metal box M2A1 • 2 metal boxes (280 rounds) in wooden crate 	<ul style="list-style-type: none"> • 10 rounds in cardboard box • 5 cardboard boxes (50 rounds) in PVC bag • 2 PVC bags (100 rounds) in carton case 	<ul style="list-style-type: none"> • 100 rounds in metal link belt (M9) • 1 metal link belts in metal box M2A1 • 2 metal boxes in wooden crate (200 rounds)