



5 . 5 6 X 4 5



Cal. 5.56x45 mm



M193 BALL

M196 TRACER

M855/SS109

M856 TRACER



Element	Material				Weight (g)				Length (mm)				
	M193 Ball	M196 Tracer	M855/SS109	M856 Tracer	M193 Ball	M196 Tracer	M855/SS109	M856 Tracer	M193 Ball	M196 Tracer	M855/SS109	M856 Tracer	
Bullet	Jacket	Tombac	Tombac plated steel strip or copper washer steel strip	Tombac	Tombac plated steel strip or copper washer steel strip	3, 56	3, 50	4, 00	3, 92	19, 17	23, 2	23, 4	28, 45
	Core	Lead antimony	Lead antimony	Lead antimony and steel	Lead antimony	(55 gr)	(54 gr)	(62 gr)	(61 gr)				
	Tracer mixture	-	Tracer compos.	-	Tracer compos.								
	Cup, closure	-	Tombac	-	Tombac								
Cartridge case	Brass				~6,10				44, 70				
Propelling charge	Spherical powder				~1,64	~1,69	~1,60	~1,36					
Primer	Boxer non-corrosive				0, 23				3, 10				
Cartridge					Average Q (100) ± 0,4 g				57, 40				

BALISTIC DATA

Cal. 5.56x45 mm with bullet	Energy (J)	V _{23,77} (m/s)	P (bar)	Accuracy mean radius (cm) at 183 m	Tracer visibility
M193 Ball	-	964,7 ± 12	max. 3792	max. 5,08	-
M196 Tracer	-	949,5 ± 12	max. 3792	max. 12,7	Visible trace from max. 69 m to min. 457 m from the weapon

Used for 5.56x45 mm caliber weapon with a 1:12" twist barrel

Cal. 5x56x45 mm with bullet	Energy (J) at 24 m from the muzzle	V _{23,77} (m/s)	P+3Sd (bar)	Accuracy Sdx/Sdy (cm) at 550 m	Tracer visibility
M855/SS109	min. 1480	920,5 ± 12	max. 4450	max. 20	-
M856 Tracer	min. 1480	917,4 ± 12	max. 4450	max. 30	Dim trace to min. 13 m from the weapon, visible from max. 140 m to min. 600 m from the weapon

Used for 5.56x45 mm caliber weapon with a 1:7" twist barrel

Penetration M855/SS109: Bullets shall completely perforate the mild steel plate 3,5 mm nominal (10 gauge) thickness, defined in SAE 1010 or SAE 1020, Rockwell hardness, minimum B 55, maximum B 70, placed 570 m from the muzzle at 0 degree obliquity (normal to the line of fire).

PACKAGING

Version 1	Version 2	Version 3	Version 4
<ul style="list-style-type: none"> • 20 rounds in cardboard box • 50 cardboard boxes (1000 round) in metal box M2A1 • 2 metal boxes (2000 rounds) in wooden crate 	<ul style="list-style-type: none"> • 20 rounds in cardboard box • 10 cardboard boxes (200 rounds) in PVC bag • 5 PVC (1000 rounds) bags in carton case 	<ul style="list-style-type: none"> • 200 rounds in metal link belt (M27) • 4 metal link belts in metal box M2A1 (800 rounds) • 2 metal boxes in wooden crate (1600 rounds) 	<ul style="list-style-type: none"> • 20 rds in a clip • 5 clips in a cardboard box • 20 cardboard boxes in a metal box M2A1 • 2 metal boxes in wooden crate



5 . 5 6 X 4 5 H P

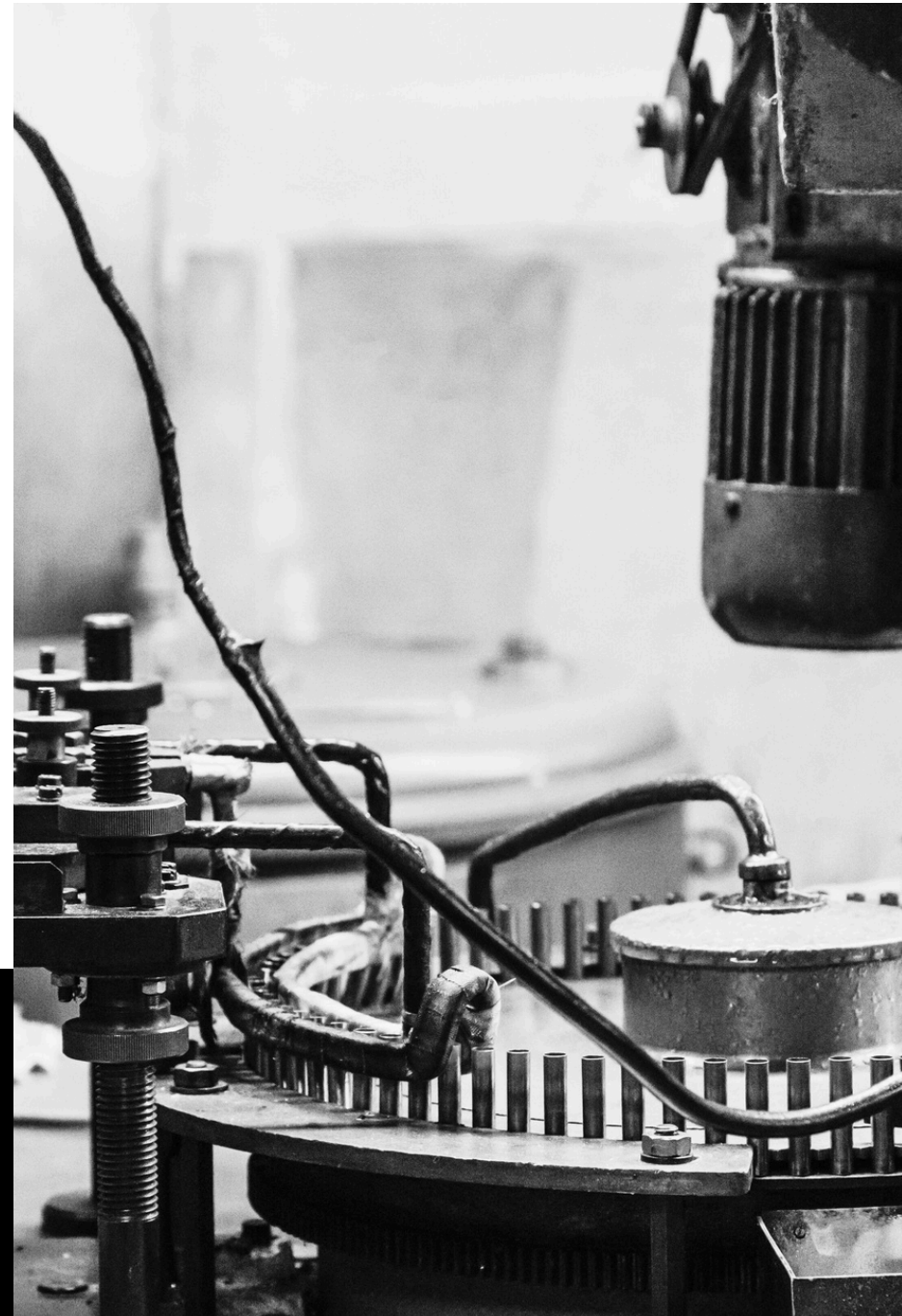
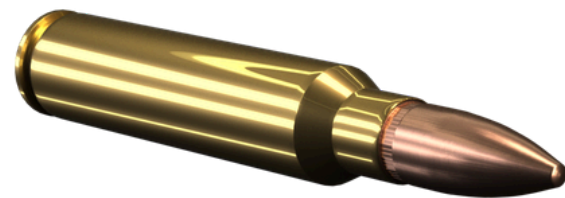




Cal. 5.56x45 mm

HP (High Pressure)

bullet weight 5,5 g (85 gr)



BALISTIC DATA

Cal. 5.56x45 mm with bullet weight 5,5 g (85 gr)	P (bar)
	4836 ± 207

TECHNICAL DATA

Element		Material
Bullet	Jacket	Tombac
	Core	Lead antimony
Cartridge case		Brass
Propelling charge		Spherical powder
Primer		Boxer non-corrosive

PACKAGING

Version 1	Version 2
<ul style="list-style-type: none"> • 20 rounds in cardboard box • 50 cardboard boxes in metal box M2A1 • 2 metal boxes (2000 rounds) in wooden crate 	<ul style="list-style-type: none"> • 20 rounds in cardboard box • 10 cardboard boxes (200 rounds) in PVC bag • 10 PVC (2000 rounds) bags in wooden case



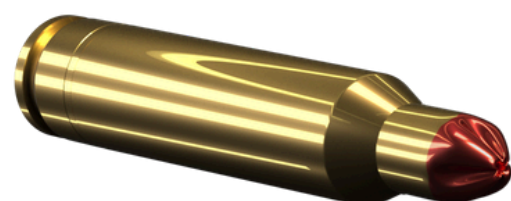
5 . 5 6 B L A N K



Cal. 5.56 mm



M200 BLANK



BALISTIC DATA

Weapon	BFA	Cyclic rate	
		Min.	Max.
M16A1 & M16A2 Rifles	M15A2	550	920
M249 Machine Gun	M15A2	650	950

Used for 5.56X45 mm caliber weapons

TECHNICAL DATA

Element	Material	Weight (g)	Length (mm)
Cartridge case	Brass	~6,20	48, 6
Propelling charge	For blank ammunition	~0,50	-
Primer	Boxer non-corrosive	0, 23	3, 10
Cartridge		Average Q (100) ± 0,4 g	53, 5

PACKAGING

Version 1	Version 2	Version 3
<ul style="list-style-type: none"> • 20 rounds in cardboard box • 57 cardboard box (1140 rounds) in metal box M2A1 • 2 metal boxes (2280 rounds) in wooden crate 	<ul style="list-style-type: none"> • 20 rounds in cardboard box • 10 cardboard boxes (200 rounds) in PVC bag • 5 PVC bags (1000 rounds) in carton case 	<ul style="list-style-type: none"> • 200 rounds in metal link belt (M27) • 4 metal link belts (800 rounds) in metal box M2A1 • 2 metal boxes (1600 rounds) in wooden crate



5 . 5 6 B L A N K



Cal. 5.56 mm

M200A1 BLANK



BALISTIC DATA

Cyclic rate			
Weapon	BFA	Min.	Max.
M16A1 & M16A2 Rifles	M15A2	550	920
M249 Machine Gun	M15A2	650	950

Used for 5.56X45 mm caliber weapons

TECHNICAL DATA

Element	Material	Weight (g)	Length (mm)
Cartridge case	Brass	~6,74	53,7
Propelling charge	For blank ammunition	~0,46	-
Primer	Boxer non-corrosive	0,23	3,10
Cartridge		Average Q (100) ± 0,4 g	53,5

PACKAGING

Version 1	Version 2	Version 3
<ul style="list-style-type: none"> • 20 rounds in cardboard box • 57 cardboard box (1140 rounds) in metal box M2A1 • 2 metal boxes (2280 rounds) in wooden crate 	<ul style="list-style-type: none"> • 20 rounds in cardboard box • 10 cardboard boxes (200 rounds) in PVC bag • 5 PVC bags (1000 rounds) in carton case 	<ul style="list-style-type: none"> • 200 rounds in metal link belt (M27) • 4 metal link belts (800 rounds) in metal box M2A1 • 2 metal boxes (1600 rounds) in wooden crate