



2-XF / MK-21

5.56 X 45 mm | M 855 & M 193

5,56 x 45 mm FMJ

The cartridge is NATO and is available with M855 and M193 bullet. It's available for customer customizable configuration according to individual requirement.

5,56 x 45mm M855/M193 bullet M855 Penetration

Min. 80% Bullets shall completely perforate the mild steel plate of 3,5 mm nominal (10 gauge) thickness, defined in SAE 1010 or SAE 1020, Rockwell hardness, minimum B 55, maximum B 70. The plate shall be placed 570 m from the muzzle at 0degree obliquity (normal to the line of fire).

SPECIFICATIONS

Technical Specification 2-XF/MK-21

Caliber	5,56 x 45mm – M855 / M193	
Bullet Type	M855	M193
Weight	4,0 g / 62 gr	3,56 g / 55 gr
Core	Lead (PbSb) + steel	Lead (PbSb)
Jacket	Brass (CuZn10)	Brass (CuZn10)
Case	5,56 x 45mm -Brass (CuZn30)	
Case marking	XF 5,56 x 45mm	
Cartridge	Length -max. 57,40 mm	
Primer	Boxer – non corrosive	
Propellant	Double base	
Velocity V25 avg	915/960 ± 12 m/s,	
Pressure	Max avg. ≤ 4300 bar	
Energy	1670J/1640J	
Effective range	600m	
Accuracy – 500m	Horizontal / Vertical standard deviation ≤ 200mm	
Bullet pull	≥ 300 N	
Waterproofing	Seelant applied	

SPECIFICATIONS

Technical Characteristics for M 855

ELEMENT		MATERIAL	WEIGHT (g)	LENGTH (mm)
Bullet	Jacket	Brass (CuZn10)	~4.00 g 62 gr	23.40
	Core	Lead (PbSb)		
	Core	Steel		
Cartridge case		Brass (CuZn30)	6.10	44.70
Propelling		Spherical	1.60	-
Primer		Boxer non corrosive	0.23	3.10
Cartridge			Average Q(100)±0.4g	57.40

Technical Characteristics for M 193

ELEMENT		MATERIAL	WEIGHT (g)	LENGTH (mm)
Bullet	Jacket	Brass (CuZn10)	~3,56 55 gr	19,17
	Core	Lead (PbSb)		
Cartridge case		Brass (CuZn30)	1.64	-
Propelling		Spherical	0.23	3.10
Primer		Boxer non corrosive	0.23	3.10
Cartridge			Average Q(100)±0.4g	57.40