

106 MM HEAT M344A1

This round is used for all the guns included in the STANAG 4458. Used for anti-personnel purposes and against not armored targets. It produces fragmentation effects and an expansion wave.



TECHNICAL CHARACTERISTIC

ROUND		BALLISTIC DATA	
Type:	Crimped	Muzzle velocity:	503 m/s
Model:	HEAT M344A1	Chamber pressure:	≤ 83 MPa
Length:	995 mm		
Mass:	16.4 kg	Approximate maximum range:	7,640 m
PROJECTILE		PRESENTATION OF THE PRODUCT	
Type:	HEAT M344A1	1 round in watertight cardboard case	
Body material:	Steel (black painted)	2 cardboard cases in wooden case	
Explosive charge:	1.8 kg Comp. B		
Fuze type:	PIBD	Cases with 2 rounds:	
Fuze model:	M509A1/A2	• Weight:	55 kg
Marks:	Yellow	• Volume:	0.082 m ³
Length:	716 mm		
Mass:	8 kg		
CASE		Pallets with 24 rounds:	
Model:	M94B1 perforated	• Weight:	660 kg
Material:	Steel	• Volume:	0.98 m ³
Length:	609 mm		
Mass:	4.4 kg		
PRIMER		CLASSIFICATION	
Type:	Percussion	ONU No.:	0321
Model:	M57	Group:	1.2 E
Load:	64 g black powder	NSN:	1315-33-002-2008
PROPELLING CHARGE			
Type:	Double base		
Designation:	M26		
Characteristics:	Multiperforated		
Mass:	~ 3.6 kg		

When the projectile comes out the ordnance muzzle, the piston moves back to extend the fins of flight stability. When impacting, the pressure on the piezo generates an electric load and it begins the fuze making detonate to the projectile. The explosion of the hollow load collapses the cooper cone, causing a shock wave of great speed and a dart of metal particles that penetrates in the target.