FMGranada
FÁBRICA DE MUNICIONES DE GRANADA

105 MM HEAT-T M456A2

This round is used for all of the guns included in the STANAG 4458.

The 105mm M456A2 HEAT-T cartridge is a high explosive antitank cartridge and is intended for use in 105mm guns against armored targets. It has a dual role capability in killing dismounted infantry by blast and fragmentation and in destroying lightly armored and non-armored vehicles and bunkers. The steel body projectile is fitted with a plastic obturator, a threaded standoff spike assembly, a fin and boom, and a PIBD fuze. A funnel-shaped copper liner within the body shapes the explosive charge of Comp B. A piezoelectric element retained in a nose cap is fitted to the spike assembly and is connected to the BD fuze in the body. The fin is threaded to receive a tracer.

FMGranada
FÁBRICA DE MUNICIONES DE GRANADA

TECHNICAL CHARACTERISTIC

ROUND	
Type:	Crimped
Model:	M456A2
Length:	990 mm
Mass:	22.5 kg

PROJECTILE	
Type:	HEAT-T M456A2
Body material:	Steel black painted
Explosive charge:	0.97 kg T 60/40 Comp. B
Fuze type:	PIBD
Fuze model:	M509A1/A2
Tracer:	M13
Marks:	Yellow
Length:	647 mm
Mass:	10.3 kg

CASE	
Model:	M148A1
Material:	Brass
Lenght:	608 mm
Mass:	6 kg

PRIMER	
Type:	Electric
Model:	M83
Load:	32.4 g (benite strand)

PROPELLING CHARGE	
Type:	Triple base
Designation:	M30
Characteristics:	Cyl. Multiperforated
Mass:	~ 5.5 kg

BALLISTIC CHARACTERISTICS	
Muzzle speed:	1,173 m/s
Chamber pressure:	≤ 425 MPa
Approximate maximum range:	8,200 m
Effective range:	3,000 m

PRESENTATION OF THE PRODUCT	
1 round in watertight carboard case	
2 cardboard cases in wooden case	
Cases with 2 rounds:	
• Weight:	68 kg
• Length:	1,180 mm
• Width:	364 mm
• Height:	221 mm
• Volume:	0.093 m^3
Pallets with 24 rounds:	
• Weight:	825 kg
• Length:	1,200 mm
• Width:	1,100 mm
• Height:	1,030 mm
• Volume:	1.36 m^3

CLASSIFICATION	
NOC:	1315-01-023-7122
Group:	1.2 E
ONU:	0321

PENETRATION
400 mm plate as per MIL-A-12560-K

When the projectile impacts on the targer, the fuse produces the detonation of the explosive charge, the liner collapses, a shock wave aligned with the liner's axe is produced and a dart of metallic particles penetrates the target.