

GENERAL DYNAMICS

European Land Systems
Santa Bárbara Sistemas - FMG

Ammunition

Large caliber

105 mm HEAT-T M456A2



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

Technical Characteristics

ROUND		BALLISTIC CHARACTERISTICS	
Type:	Crimped	Muzzle speed:	1,173 m/s
Model:	M456A2	Chamber pressure:	≤ 425 MPa
Length:	990 mm		
Mass:	22.5 kg	Approximate maximum range:	8,200 m
		Effective range:	3,000 m
PROJECTILE		PRESENTATION OF THE PRODUCT	
Type:	HEAT-T M456A2	1 round in watertight cardboard case 2 cardboard cases in wooden case	
Body material:	Steel black painted		
Explosive charge:	0.97 kg T 60/40 Comp. B	Cases with 2 rounds:	
Fuze type:	PIBD	• Weight:	68 kg
Fuze model:	M509A1/A2	• Length:	1,180 mm
Tracer:	M13	• Width:	364 mm
Marks:	Yellow	• Height:	221 mm
Length:	647 mm	• Volume:	0.093 m ³
Mass:	10.3 kg	Pallets with 24 rounds:	
CASE		• Weight:	825 kg
Model:	M148A1	• Length:	1,200 mm
Material:	Brass	• Width:	1,100 mm
Length:	608 mm	• Height:	1,030 mm
Mass:	6 kg	• Volume:	1.36 m ³
PRIMER		CLASSIFICATION	
Type:	Electric	NOC:	1315-01-023-7122
Model:	M83	Group:	1.2 E
Load:	32.4 g (benite strand)	ONU:	0321
PROPELLING CHARGE		PENETRATION	
Type:	Triple base	400 mm plate as per MIL-A-12560-K	
Designation:	M30		
Characteristics:	Cyl. Multiperforated		
Mass:	~ 5.5 kg		

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

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