

GENERAL DYNAMICS

European Land Systems
Santa Bárbara Sistemas - FMG

Ammunition

Large caliber

155 HE M107



This projectile is for use in 155 mm howitzers M114, M198 and M109. This projectile is used against material and personnel, producing fragmentation and blasting effects.

Technical Characteristics

PROJECTILE			PRIMER	
Type:	HE		Type:	Percussion
Model:	M107		Model:	M82 (for M109 howitzers) MK2A4 (for M114 and M198 howitzers)
Body material:	Forged steel			
Body color:	Olive drab with yellow marks			
Length:	684 mm (with lifting plug)			
Supply charge:	140 g of TNT			
Weight zones (Kg):	Over	Up	PROPELLING CHARGES	
	2	40.82	41.41	Type:
	3	41.32	41.95	M3A1, M4A2, M119A1, M119A2
	4	41.73	42.50	
	5	42.32	42.91	
Explosive filler:	a) 6.63 kg of TNT b) 7 kg of Composition B		PRESENTATION OF THE PRODUCT	
			8 projectiles with grommet and lifting plug in a wooden pallet.	
			Pallet with 8 projectiles:	
			• Weight: 362 kg	
			• Volume: 0.188 m ³	
			CLASSIFICATION	
			ONU No.:	0168
			NOC:	1320-33-115-0002
			Group:	1.1 D

On firing the burning propelling charge generates expanding gases which propel the projectile through the barrel with the velocity required to reach the target.

The rotating band engages the barrel rifling to impart spin to the projectile for stability in flight.

If a PD or MT fuze is used, the fuze detonates the supplementary charge on impact (PD) or after the preset time (MT) and the supplementary charge detonates the explosive filler. When a proximity fuze is used, detonation occurs on approach to the target.

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Fábrica de Municiones de Granada
C/ Ctra. Murcia, s/n
18182 El Fargue, Spain
Tel. +34 958 200 300
Fax +34 958 290 409
info@fmgranada.com
www.fmgranada.com

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