

GENERAL DYNAMICS

European Land Systems
Santa Bárbara Sistemas - FMG

Ammunition

Large caliber

105 mm HE R-105-60



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

Used for antipersonal purposes and against not armoured targets. It produces fragmentation effects and an expansion wave.

Technical Characteristics

ROUND		BALLISTIC DATA	
Type:	Crimped	Muzzle velocity :	688 m/s
Model:	HE, R-105-60	Chamber pressure:	< 420 MPa
Length:	990 mm	Approximate max. range:	11,270 m
Mass:	21.0 kg	Effective range:	3,500 m
PROJECTILE			
Type:	HE		
Body material:	Forged steel (Olive green painted)	1 round in watertight cardboard case 2 cardboard cases in wooden case	
Explosive charge:	2.7 kg HT		
Fuze type:	Percussion	Cases with 2 rounds:	
Fuze model:	PDM 739A1 or equivalent	• Weight:	66 kg
Marks:	Yellow	• Length:	1,180 mm
Length:	443.5 mm	• Width:	364 mm
Mass:	12.1 kg	• Height:	221 mm
		• Volume:	0.093 m ³
CASE		Pallets with 24 rounds:	
Model:	M148L	• Weight:	805 kg
Material:	Brass	• Length:	1,200 mm
Length:	615.3 mm	• Width:	1,100 mm
Mass:	6.1 kg	• Height:	1,030 mm
		• Volume:	1.36 m ³
PRIMER		CLASSIFICATION	
Type:	Electrical	ONU No.:	0321
Model:	1¼ x 378 mm	NOC:	1315-33-002-1996
Load:	Black powder	Group:	1.2 E
PROPELLING CHARGE			
Type:	Single base		
Designation:	LB7T70		
Powder:	Multiperforated		
Mass:	~ 2.4 kg		

When the projectile impacts on the target, the fuze produces the detonation of the explosive charge, producing fragmentation effects and an expansive wave.

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