



155 mm Cannon gun M109



Hadid 155 mm 39 caliber barrel is of mono block construction with an interrupted screw breech mechanism. The riffling has a constant 1:20 twist and there are 48 grooves. High-strength alloy steel is used throughout the barrel construction and heat treatment and autofrettaging are employed to provide maximum barrel life. Separate recoil and recuperator system are used in what is stated to be a variable length hydropneumatic independent design. It adopts a common chassis for its self-propelled artillery units. The Double-Baffle muzzle brake is flush with the forward edge of the hull, and the bore evacuator is located midway along the bore.



TECHNICAL SPECIFICATIONS

Model	HM 44
Caliber	155 mm
Length of barrel	39 cal. (6095 mm)
Max. range	with HE 22 km
	With RAP and BB 30 km
Max. rate of fire	4 rds. /min
Nr. of Grooves	48
Elevation	-3°C ~ +75°C
Max. chamber pressure	3500 bar
Muzzle Brake	Double baffle
Overall weapon weight	2500 kg
Ammunition Type (NATO 155 mm AMMO)	HE