

# CHAPTER 1

## INTRODUCTION

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### 1. Purpose and Scope

a. This manual provides information for training personnel to operate the 90mm recoilless rifle, M67. It includes mechanical training, fire control instruments, spare parts and equipment, maintenance, ammunition and fuzes, crew drill, marksmanship, technique of fire, and advice to instructors concerning the weapon. The material presented herein is applicable to nuclear and nonnuclear warfare.

b. For information pertaining to detailed disassembly and assembly, refer to TM 9-1015-223-12.

c. Doctrine in FM 7-11 on the tactical employment of the platoon antitank weapon applies to the 90mm rifle, M67.

d. Users of this manual are encouraged to submit recommended changes or comments to improve the manual. Comments should be keyed to the specific page, paragraph, and line of the text in which the change is recommended. Reasons should be provided for each comment to insure un-

demanding and complete evaluation. Comment should be forwarded direct to the Commandant, United States Army Infantry School, Fort Benning, Ga., 31905.

### 2. Characteristics

The 90mm recoilless rifle, M67, is a lightweight, portable, crew-served weapon intended primarily as an antitank weapon. It can be employed in an antipersonnel role too. It is designed to be fired primarily from the ground using the bipod and monopod, but it may be fired from the shoulder. It is an air-cooled, breech-loaded, single-shot rifle that fires fixed ammunition. The rifle is equipped with a manually operated breech mechanism and a percussion-type firing mechanism. It is designed for direct firing only, and sighting equipment for this purpose is furnished with each weapon (figs. 1 and 2).

### 3. Tabulated Data

a. *90mm Recoilless Rifle, M67.*

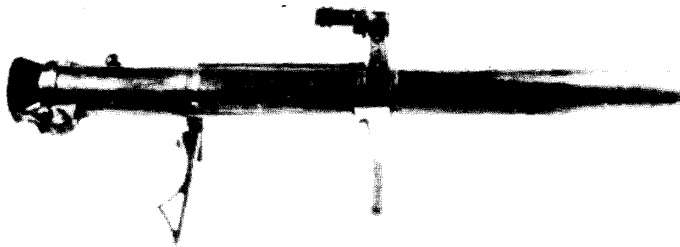
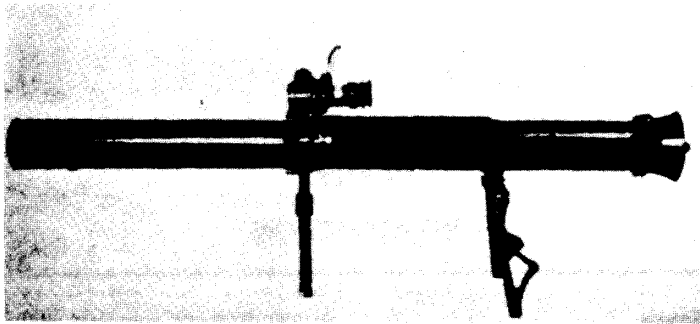


Figure 1. Right side view of the M67.



**Figure 2. Left side view of the M67.**

- (1) **Weight:**  
Complete system (unloaded) -- 35 pounds.  
Telescope with mount and  
instrument light ----- 2½ pounds.
- (2) Overall length ----- 53 inches.
- (3) Height ground mounted  
(approx) ----- 17 inches.
- (4) Maximum range (approx.) -- 2,100 meters.
- (5) Maximum range (as deter-  
mined by sight graduations) - 800 meters
- (6) Maximum effective range --- 450 meters
- (7) Rates of fire ----- Rapid: 1 round  
each 6 seconds,  
not to exceed 5  
rounds.

Sustained : 1  
round per min-  
ute indefinitely.

*Note: When firing the rapid rate of fire, a 15-minute cooling period must be observed after every five rounds.*

**b. Ammunition.**

- (1) Type used ----- HEAT ----- TP.
- (2) Weight of round 9¼ pounds--- 9¼ pounds.  
(approx.).
- (3) Weight of pro- 6¾ pounds--- 6¾ pounds.  
jectile  
(approx.).
- (4) Muzzle velocity 700 feet per 700 feet per  
(approx.) second. second.

