



Light machine gun Neuhausen KE 7



Light machine gun Neuhausen KE 7 on bipod

1. Technical data

Calibre 7,0, .303" 7,65 and 7,9 mm
 Other calibres on request

Dimensions :

Overall length with flash-hider 46⁷/₈" 1190 mm
 Barrel length 23⁵/₈" 600 mm

Weights :

Weapon with bipod, without magazine 17¹/₄ lbs. 7,820 kg
 Barrel with barrel extension 4¹/₂ lbs. 2,040 kg
 Empty magazine 4⁴/₅ lbs. 0,380 kg
 Butt rest 1¹/₂ lbs. 0,710 kg
 Tripod 26¹/₂ lbs. 12,000 kg



Light machine gun Neuhausen KE 7 on tripod

Sight:

Leaf rear sight, graduation	100 to 2000 m	110—2200 yds.
Length of line of sight	662 mm	26"

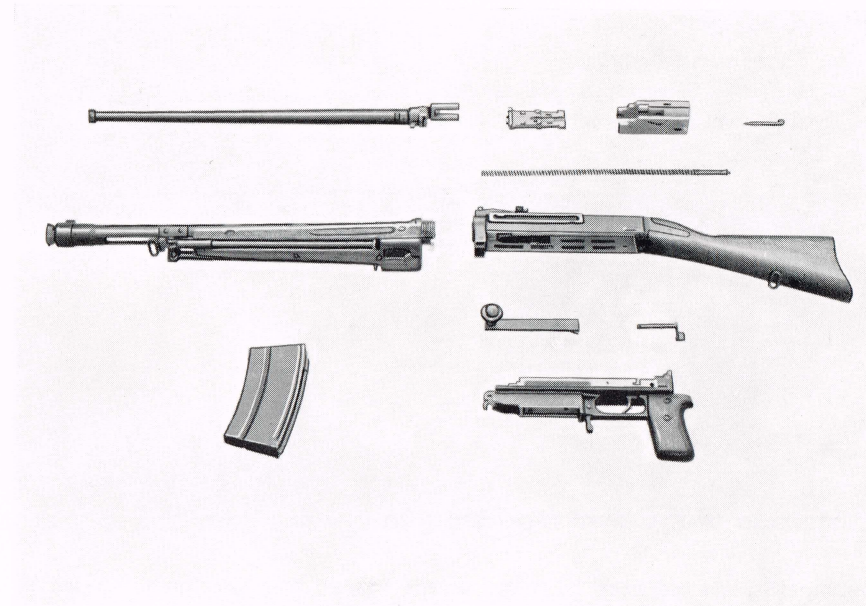
Rate of fire: 550 rounds/min.

2. Generalities

The light machine gun Neuhausen KE 7 is a recoil-operated weapon fed by magazines. The gun is fired with open breech, i. e. the breech is open when the weapon is ready to fire.

The KE 7 may be fired

- on natural rest
- on bipod
- on bipod and butt rest
- on tripod
- standing, from the hip



Dismantled machine gun Neuhausen KE 7

3. Components

The weapon is composed of two main parts:

- a) the fixed part
- b) the mobile part

a) The **fixed part** consists of

- the breech casing with rear sight, ejection slot cover and butt
- the barrel casing with fore-stock, bipod, front sight base, front sight and locking lever
- the trigger guard with trigger mechanism, magazine frame and impulse lever
- the operating handle
- the safety lever
- the recoil spring and guide
- the magazine

- b) the **mobile part** consists of
the barrel with extension
the breech with extractor and ejector
the slide with firing pin.

4. Function of the light machine gun

The breech parts are freed by a pull on the trigger. They are thrust forward by the compressed recoil spring, push a cartridge in the chamber and are finally locked. Firing of the cartridge is mechanical at the end of the locking motion. The recoil thrusts the barrel with extension and the locked breech parts backwards. They recoil together on 6 mm, then the barrel extension hits the impulse lever. The latter transmits the shock to the slide which unlocks the breech with delay and draws it along. The spent case is extracted and ejected. In their rear position, the breech parts are either retained (when firing single shots, willingly interrupting fire or when the magazine is empty) or thrust forward again (when firing full automatic). In the meantime the barrel has been returned into its normal position by the barrel spring.

5. Safety

The safety lever blocks the sear.



Light machine gun Neuhausen KE 7 on bipod and butt rest

6. Particularities

- very light construction.
- insensitive to stoppages due to bad ammunition, distorted cartridges and a dirty weapon.
- barrel removable without unloading.
- the type of fire (single shots or full automatic) is selected by trigger control, no lever has to be moved. By pulling the trigger back to the first drag point, single shots are fired. Full retraction of the trigger gives full automatic fire until the trigger is released or the magazine emptied.