



**... for
years
ahead**

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Arma

Lightweight Basic Infantry Rifle



Manufactured in Europe
under License Agreement
by
„Artillerie-Inrichtingen”
Hembrug - Zaandam
The Netherlands

The Most Modern Combat Rifle

Lite

AR-10

**... for
years
ahead**

In any armed conflict the infantry – the Queen of the Battle – has borne the brunt of the fighting, and always will do so. Therefore, even in the most modern combat conditions and in which way you may imagine the development of armament, the infantryman always and under all circumstances must have at his disposal an accurate, highly efficient weapon, which he can rely on at any time.

A weapon to protect him and to give him superiority. A weapon adjusted to the most severe requirements of military fire-arms application. A 'rifleman's best friend', combining the accuracy of a sniping rifle with the fire power of a machinegun, designed for today and tomorrow.

Such a trustworthy, such a protective, such a superior weapon for years ahead is **the Armalite AR-10, the modern lightweight combat rifle.**

The only weapon in the world to fulfil all small arms requirements.

**... for
today
and ...
tomorrow**



Controlled Fire Power

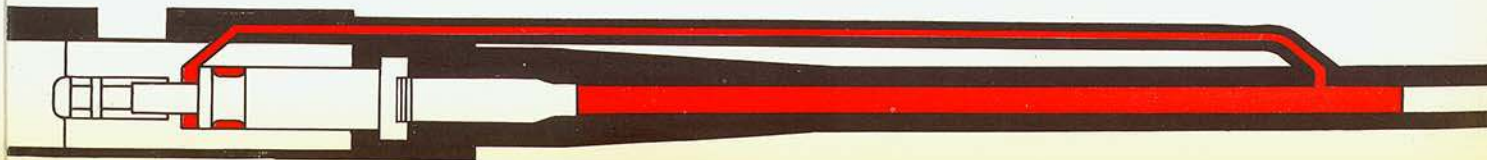
NEW GAS OPERATING SYSTEM

- (1) When the rifle is fired and the bullet passes beyond the gas port, gas passes through the gas tube and into a chamber formed by the bolt carrier and the bolt.
- (2) When the high pressure gas enters the chamber formed by the bolt and bolt carrier the bolt is in the locked position acting as a stationary piston. The entering gas pressure causes the bolt carrier to move. After traveling about one-eighth inch, the bolt carrier cuts off the supply of gas from the gas tube. Expansion of the gas now trapped in the chamber formed by the bolt and bolt carrier provides the energy necessary to continue the movement of the bolt carrier rearward.
- (3) As the bolt carrier continues its rearward motion it rotates the bolt, unlocking it and carrying it rearward. As the bolt assembly travels rearward the gas is exhausted through a port in the side of the receiver and the cycle is completed through inertia.

Before the Armalite AR-10 was produced, many firearms experts believed that a seven pound rifle using the NATO cartridge would be difficult to control and that recoil would be severe.

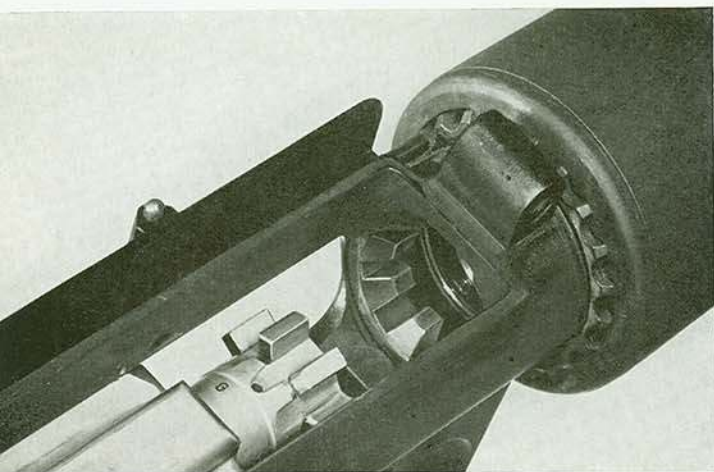
Excellent control in automatic fire is made possible in the AR-10 by keeping all recoil forces in a straight line from the barrel through the stock.

This outstanding controllability makes it possible to utilize with devastating effect the full potential of semi and automatic fire power.



1

FRONT LOCKING SYSTEM
Strong, positive multiple front locking lugs on rotating bolt.



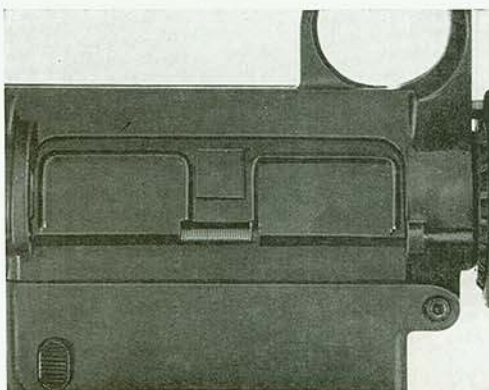
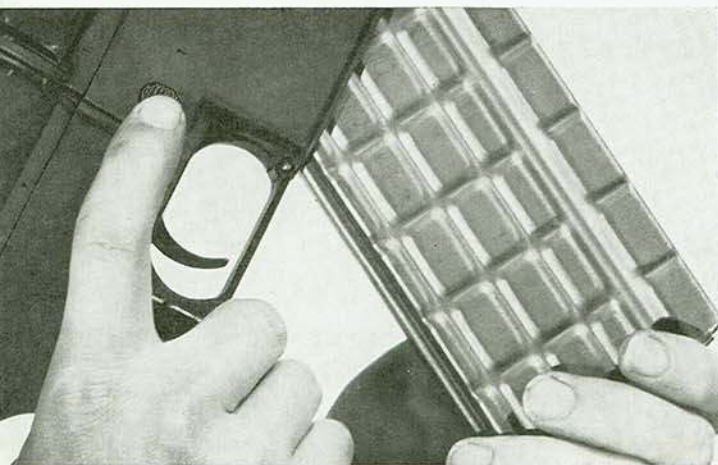
2

QUICK TAKE-DOWN FOR FIELD STRIPPING
Complete field stripping is accomplished in a few moments.



3

MAGAZINE RELEASE BUTTON
Handy magazine release button releases expended magazine by pushing with trigger finger.



4

DUST COVER
Close fitting dust cover provides protection from dust, sand, mud and dirt. Opens automatically upon firing of first round.



5

REAR SIGHT AND CARRYING HANDLE
The rear sight is click adjustable for elevation with a visible yardage scale. This sight is protected by the rugged carrying handle which is located at the center of balance of the rifle.

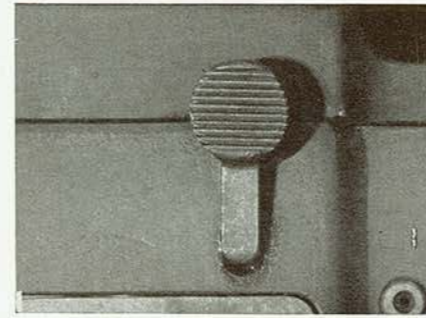
ArmaLite

AR-10

...the most important achievement in small arms development in the past 80 years

6

SELECTIVE FIRE LEVER
The three position selective fire lever is readily accessible to the shooter's thumb, providing for semi-automatic, full-automatic and safe positions.



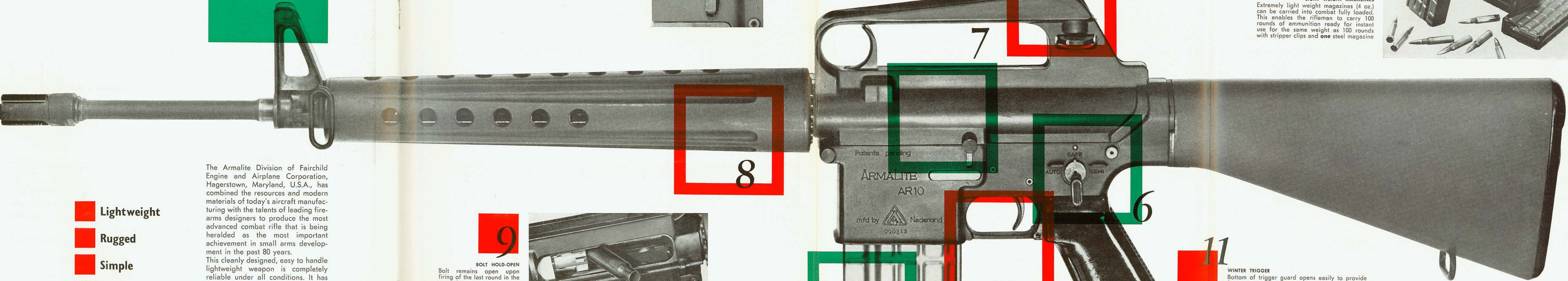
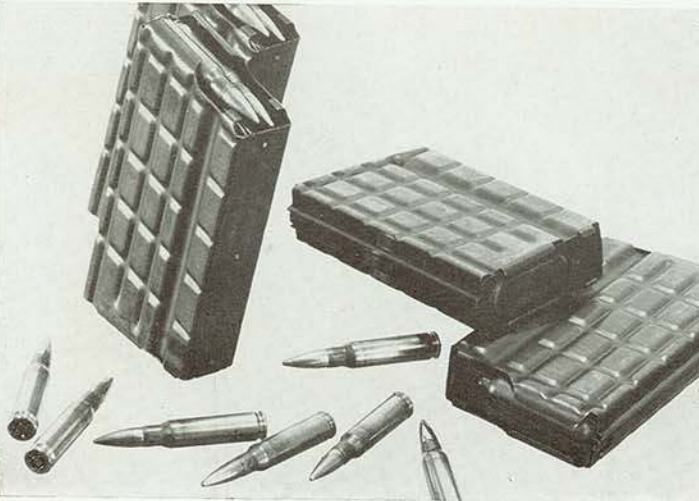
7







BOLT STOP LEVER
After inserting a loaded magazine, pushing the bolt stop lever allows the bolt to close, feeding a new round into the chamber.



10

LIGHT WEIGHT MAGAZINES
Extremely light weight magazines (4 oz.) can be carried into combat fully loaded. This enables the rifleman to carry 100 rounds of ammunition ready for instant use for the same weight as 100 rounds with stripper clips and one steel magazine

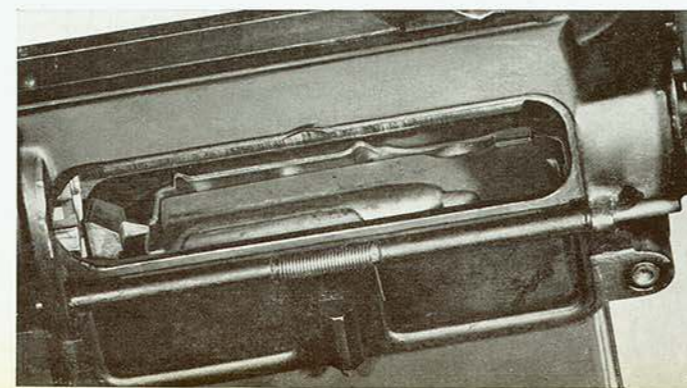
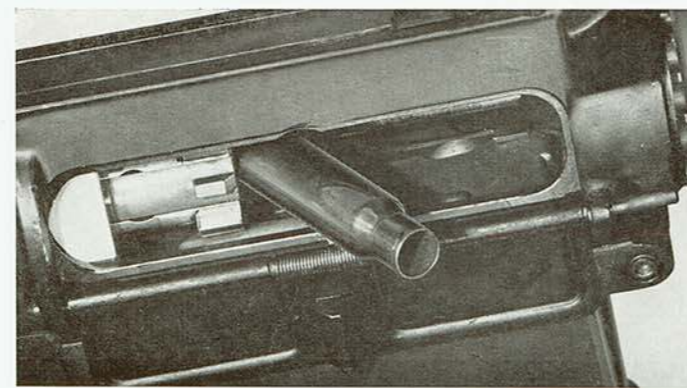


-  Lightweight
-  Rugged
-  Simple
-  Reliable
-  Accurate
-  Versatile

The ArmaLite Division of Fairchild Engine and Airplane Corporation, Hagerstown, Maryland, U.S.A., has combined the resources and modern materials of today's aircraft manufacturing with the talents of leading fire-arms designers to produce the most advanced combat rifle that is being heralded as the most important achievement in small arms development in the past 80 years. This cleanly designed, easy to handle lightweight weapon is completely reliable under all conditions. It has the inherent accuracy of a fine sniping rifle, the range and fire power of a machinegun and a ruggedness heretofore unknown. The Artillerie-Inrichtingen in the Netherlands, by application of modern production methods has made this outstanding quality weapon available at a surprisingly reasonable cost.

9

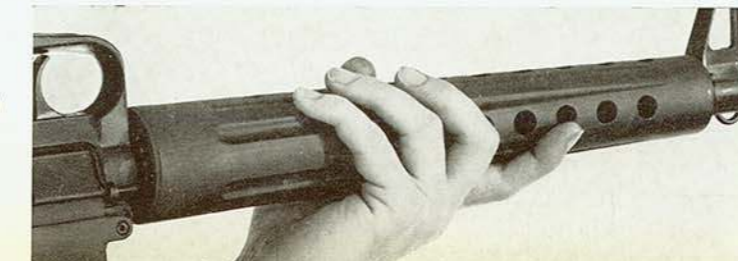
BOLT HOLD-OPEN
Bolt remains open upon firing of the last round in the magazine.



10

INSULATED FORE-ARM
The rugged fiber glass fore-arm with its high temperature plastic foam insulation, provides for extra weapon control with comfort for the shooter.

8



11

WINTER TRIGGER
Bottom of trigger guard opens easily to provide for access to the trigger while wearing full winter mittens.



AR-10

For further information apply to:

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ALEXANDRIA, VIRGINIA

SPECIFICATIONS

System: Gas operated, magazine-fed, selfloading, semi- and full automatic.

Locking: Front Locking Rotary Bolt with multiple lugs.

Caliber: Nato 7,62 mm (.30 inch)

Overall length: 1035 mm (40,8 inch)

Weight without magazine: 3,25 kg (7,2 lbs)

Weight of magazine (empty): 116 g (4 oz)

Weight of loaded magazine (20 rds): 543 g (19 oz)

Barrel length (with Flash Hider): .. 543 mm (21,4 inch)

Barrel length (without Flash Hider): 505 mm (19,9 inch)

Rifling: right hand

Length of rifling: 450 mm (17,7 inch)

Number of Lands: 4

Sight Radius: 525 mm (20,7 inch)

Sight Adjustment: max. elevation 540 m (600 Yds)

Rate of Fire: approx. 700 rounds/min.

Muzzle Velocity: 810 m/sec. (2660 ft/sec)

Muzzle Energy: 305 kgm (2210 ft lbs)

The AR-10 completely fulfils the following functions:

- A basic infantry-rifle with full- and semi-automatic fire control
- A sniper-rifle of the highest accuracy standards.
- A weapon, light and compact enough to readily take the place of a submachinegun having the range, energy and accuracy of a rifle.
- A grenade launching weapon, capable of launching grenades without the necessity of gas-adjustment, thus permitting the use of ball ammunition immediately, should the occasion arise, with absolutely no loss of time.

