

SUB-MACHINE GUN  
**CB.M2**

**system AUPO ammunition**  
a self-propelling side-firing projectile



**Benelli®**  
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S.p.A. - Urbino

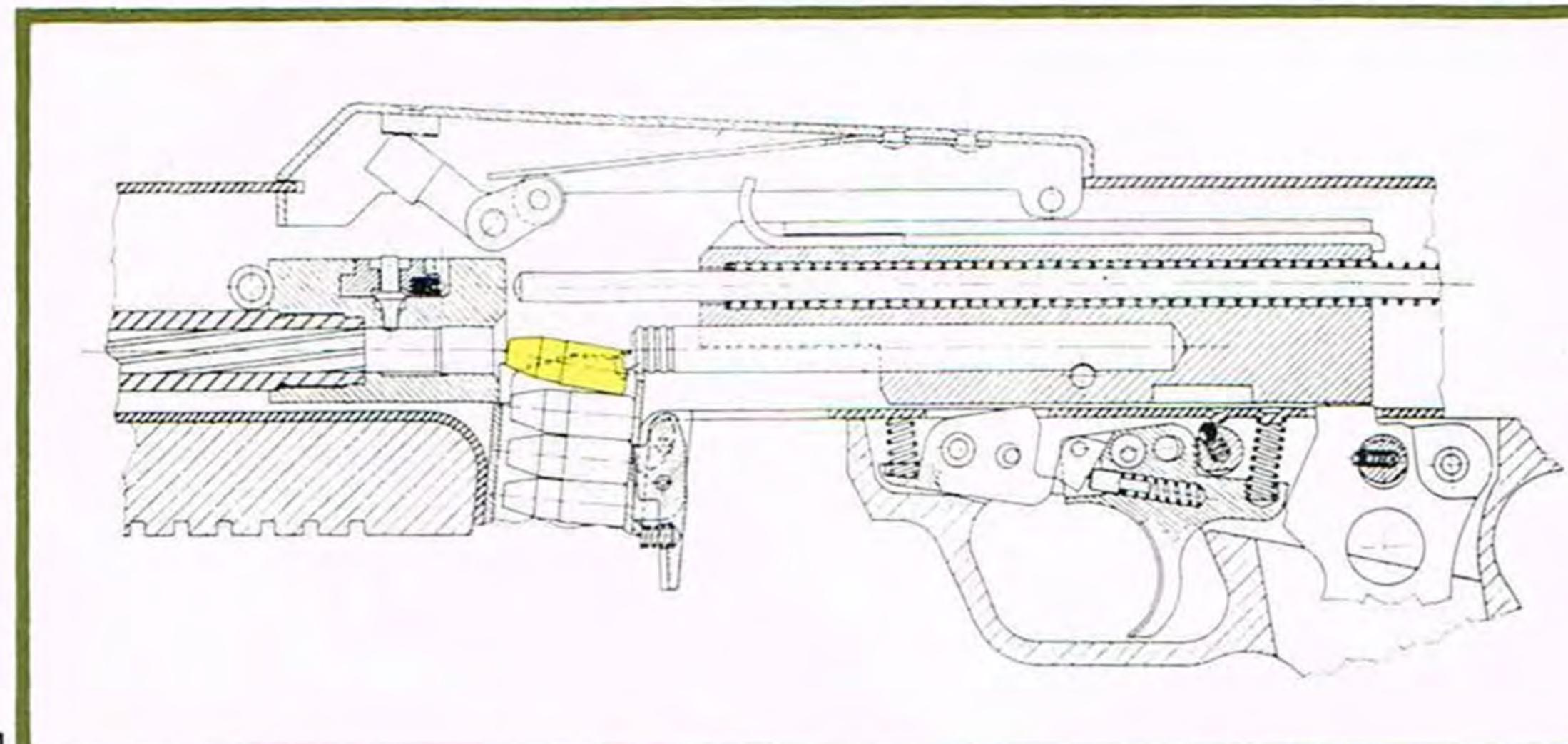
# Sub-machine gun

## CB.M2

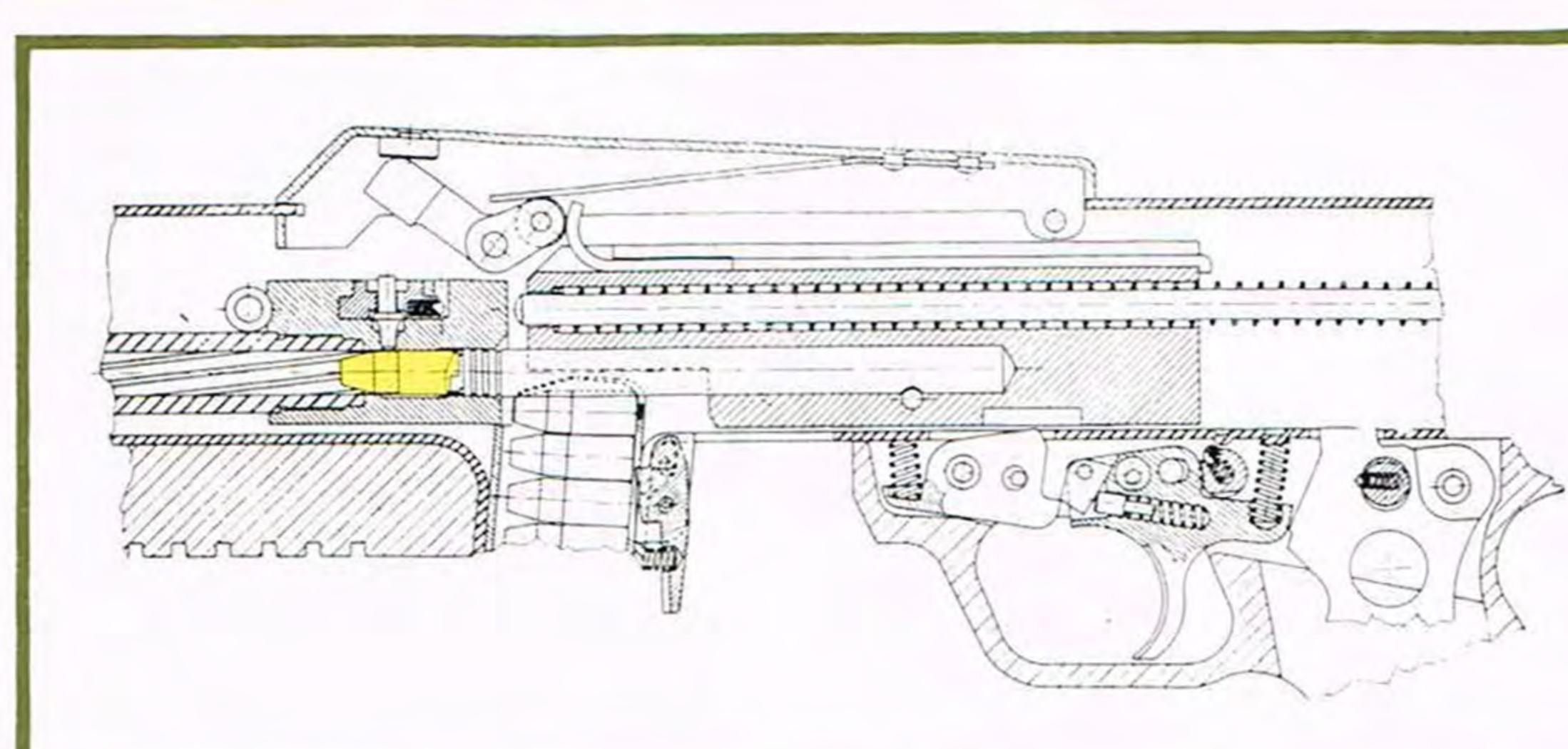
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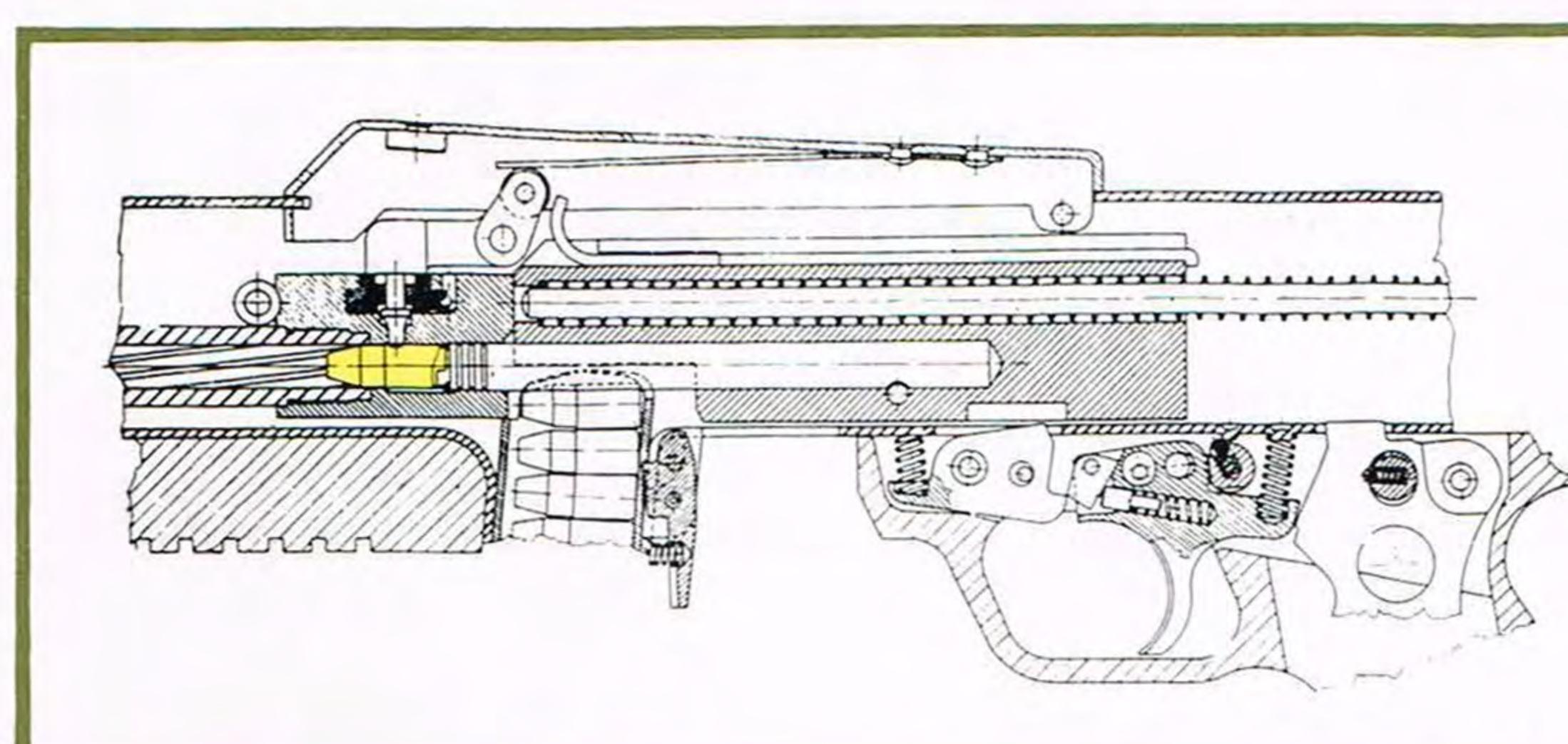
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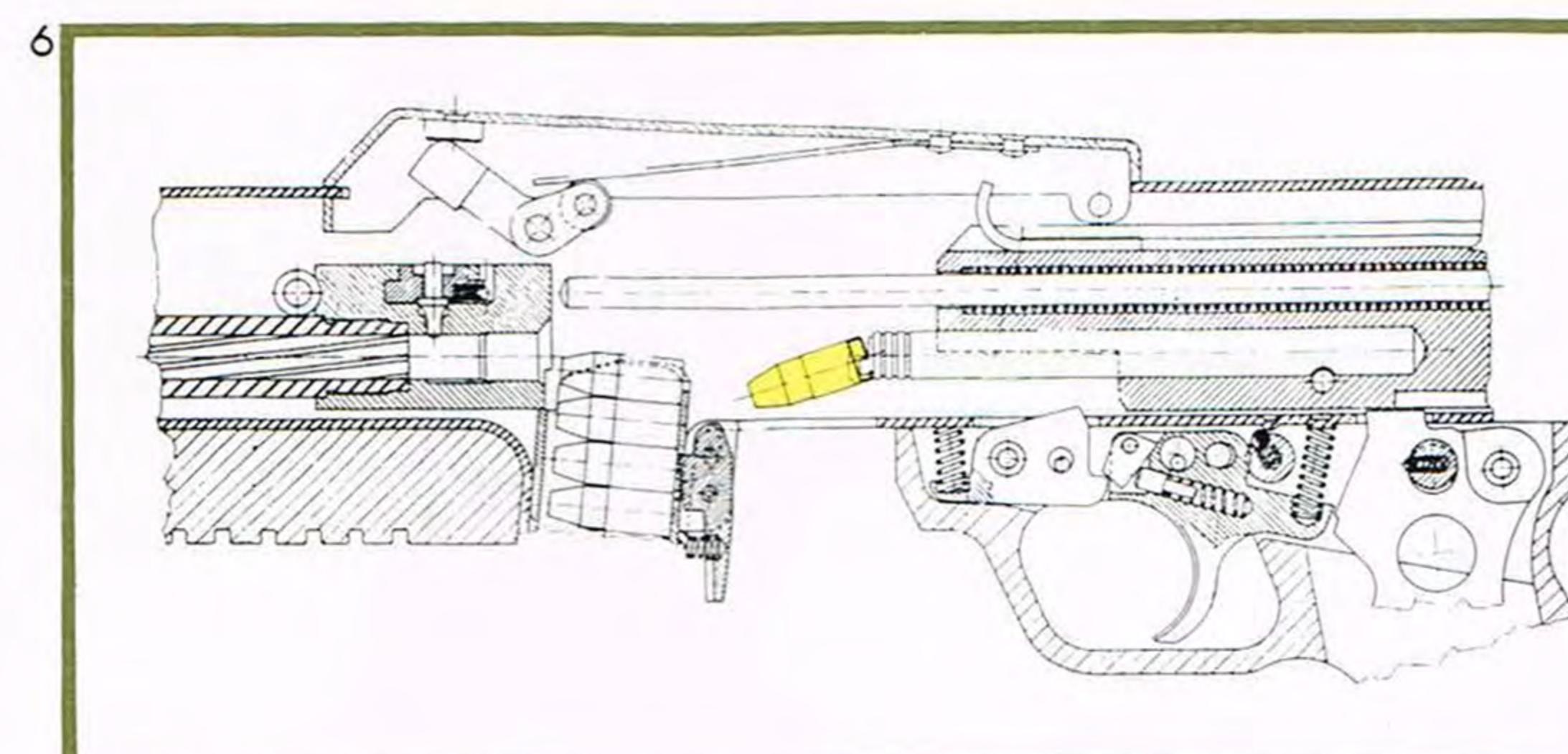
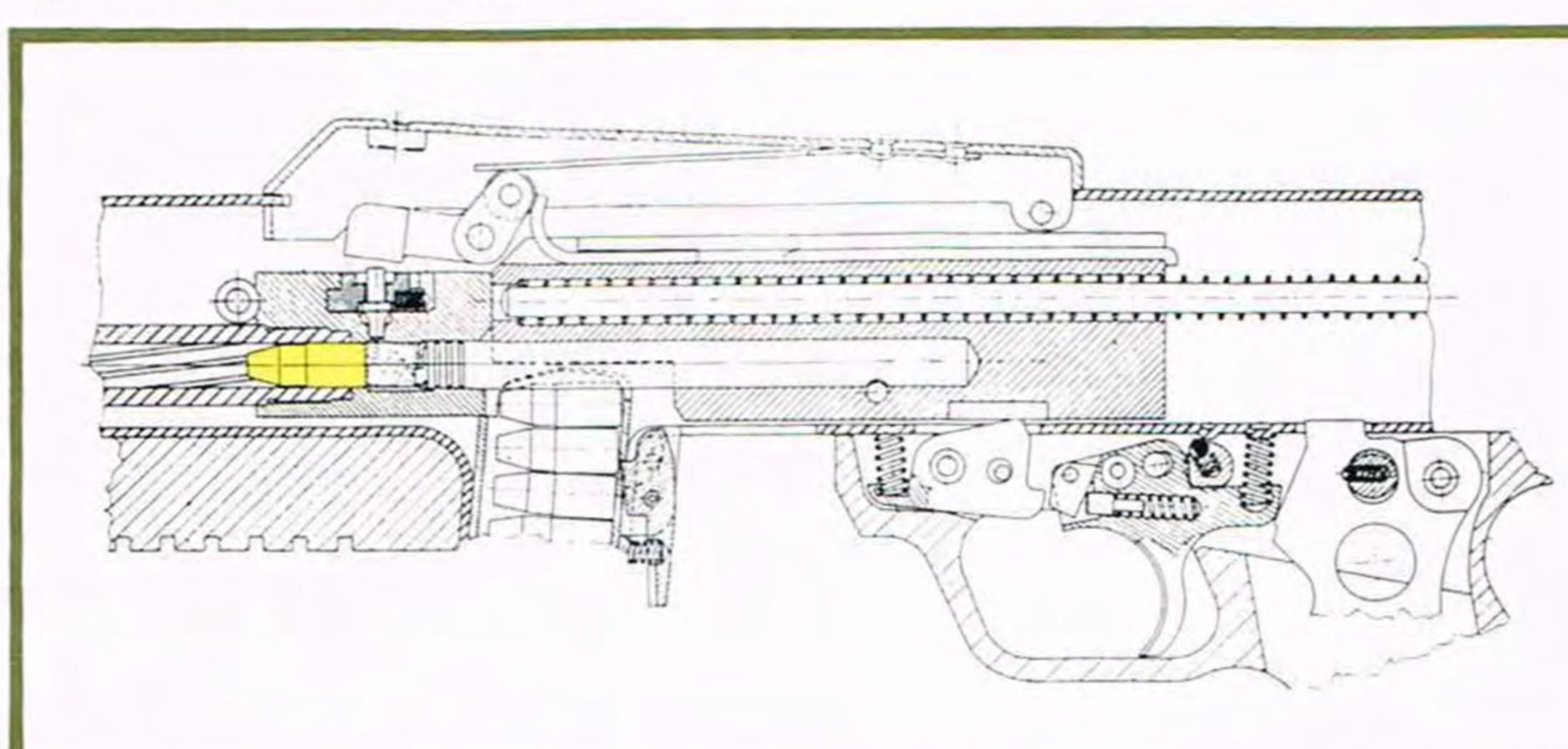
1 In the locking phase of the arm the recoiling mass breech-block introduces, by means of the locking pin, the round from the magazine into the barrel; the extractor enters into the rear part of the round.



2 The breech-block continuing the locking phase of the arm has already fed the round in the barrel and, thanks to the L. shaped spring, imparts to the hammer the energy necessary for firing the round; the extractor, at the same time, has completed the gripping of the round at the inside of the rear locking rim.



3 The breech-block now completes the locking phase by stopping on the sub-frame face; the round is in the barrel and the hammer is rotated forward on its fulcrum and, thanks to the energy provided by the L-shaped spring, hits the firing pin.



4 After firing the breech-block maintains for an instant the locking position while the pressure of the gas thrusts the round towards the mouth of the barrel releasing it at the same time from the grip of the extractor; the firing pin, free to return to its seat, does not engrave the round and the hammer is returned to its rest position by the return spring.

5 In the event of a misfire, if a round remains in the barrel with the breech-block locked (see Fig. 3), it is possible to open the breech-block manually for extracting the projectile still gripped by the extractor.

6 The breech-block, after completion of the manual opening, carries the round, still gripped by the extractor, to a position at the back of the magazine; the projectile, no longer supported on its point, by the sides of the chamber and by the magazine, is now released by the extractor and drops on the ground through the apposite opening of the arm.

### GENERAL FEATURES

**Operating mode:**  
Fixed barrel with recoiling breechblock.

**Locking action:**  
Recoiling mass with locking pin on breechblock.

**Firing action:**  
Radial for self-propelling projectiles with perimetric priming (Benelli-Civolani patent).

**Firing rate:**  
800 - 1000 rounds/minute.

**Feeding:**  
Removable magazine of 20 - 40 rounds.

**Repeating system:**  
Automatic or semi-automatic.

**Safety mechanism:**  
Manual lever locking the trigger - Automatic lever on the grip locking either the trigger or the breechblock.

**Sighting:**  
Fixed with rear and front sight.

### TECHNICAL AND DIMENSIONAL CHARACTERISTICS

**Caliber:** 9 mm AUPO  
**Rifling:** 6 grooves R.H.  
1 turn in 250 mm

**Length of barrel:** 200 mm

**Length with folded butt:** 450 mm

**Total length:** 660 mm

**Breadth:** 60 mm

**Height (without magazine):** 190 mm

**Total weight:** 3.400 Kg  
(approx.)

**Weight of magazine:** 0.250 Kg  
(approx.)

The new AUPO ammunition, a self-propelling, side-firing projectile, is made by the Company GIULIO FIOCCHI of Lecco in the caliber 9 size with ballistic characteristics similar to that of the conventional Parabellum type.

The important characteristic of this new ammunition is the complete elimination of the cartridge case.

The advantages of the AUPO system are:

- Perfectly balanced fire;
- Possibility of increasing the firing rate;
- Considerable reduction of the costs thanks to the design of the bullet obtained from a single piece of metal and with the body containing both the priming mixture and the powder - the whole sealed at the base;
- Noteworthy reduction of the weights and overall dimensions;
- Possibility of applying the AUPO system to other calibers and in particular to those destined for armaments of aircraft and armoured means, there being no longer empty cases to be ejected.

**PATENTED  
IN ALL OVER THE WORLD**



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BENELLI ARMI S.p.A., continuously searching for new automatic arms capable to satisfy the most advanced exigencies of the defense sector, after years of intensive study, has now developed a sub-machine gun using a new type of ammunition called AUPO® made by the Company Giulio Fiocchi of Lecco.

This self-propelling and side-firing ammunition has resulted in the embodying of a completely new and original weapon as far as the percussion system and the projectile extractor system are concerned, both patented.

The merits of the best-known conventional arms found today are now combined in this new weapon and furthered by the advantages deriving from the elimination of the cartridge case resulting in a considerable increase of the firing rate, reduced weight of the available number of rounds and a noteworthy reduction in armament costs.

It is understood that this weapon, at present made for cal. 9 with ballistic characteristics similar to those of the conventional Type 9 Parabellum, can be constructed for other calibers and is of particular interest for the armament of the air forces and armoured forces.