



FA MAS 6MM F1



**6.00 mm caliber automatic rifle
manufactured
by Northeast, licensed by cybergun,
projected by gunpoint**

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INTRODUCTION

- Real firearm -

The FA-MAS 5.56-mm caliber rifle was designed and mass-produced by GIAT in its St. Etienne works (Manufacture Nationale d'Armes de St. Etienne). Since the end of 1979, it has been used by the French Army which has ordered several hundred thousand units. The rifle has been studied in great detail from the following standpoints:

- ergonomics, with due consideration being given to the permanent requirements of the user: dimensions, weight, transfer, ease of use and maintenance, etc.,
- reliability and operating safety under the most difficult conditions of use,
- operation of the rifle with all types of 5.56 mm ammunition currently in service (US, NATO),
- efficiency of its multiple functions: precision firing of single shots, excellent stability and high power when firing in bursts (80 HP), grenade firing. (anti-tank, anti-personnel),
- general quality of manufacture, with systematic monitoring of raw materials, the fabrication processes and firing performance of the rifle,

Apart from the additional equipment supplied: bipod, bayonet attachment, cleaning accessories, etc., the FA-MAS can also be proposed with training systems such as a sleeve for firing blank ammunition, or the Balplast reduced size firing system.

1 — General Information

1-1 — Presentation of the equipment

1-1-1 — Function

The FA-MAS caliber 6.00 mm BB is an automatic individual weapon designed for:

— Bullet firing with single shot fire, complete bursts or limited bursts according to the position of the firing selector.



1-1-2 — Ammunition

— High quality airsoft BB in caliber 6.00 mm.

— With the 12" coated inner-barrel, the FA-MAS can fire both types of airsoft ammunition (Bio degradable and plastic bullets).

1-1-3 — Gas and Joule Power

— Usage of Green Gas (145 Psi) with silicone is recommended. On colder temperatures it is also possible to use Black Gas (203 Psi).

— Depending on the nozzle-power-system it is recommended to use bullets from the weight of 0,25 g up to 0,30 g.

1-2 — General description of the weapon

The operating mechanism is an GBB (GasBlowBack) open bolt system with moving charging handle. On running the magazine empty, there will be no bolt-stop at the end-position. The last trigger runs dry.

The line of sight, with single combat backsight, allows aiming adjustment for elevation and direction — there is also a retractable slide fitted with (dummy) luminescent spot for night firing.

The entirely armoured plastic fittings ensure.

- Protection of the vital parts of the weapon including the sighting parts.
- Effective grasp for firing and carrying the weapon.

1-3 — Static features

— Length:

Overall length without bayonet.....	757 mm
Length of the inner Barrel.....	480 mm
Length of line of sight.....	330 mm

— Weight:

of the weapon with magazine and bipod.....	3,60 kg
of the empty magazine.....	0,34 kg



1-4 — Performance

Different Nozzle-types with following power steps: 1,0 / 1,6 / 2,4 Joule (at 28° with 0,2 g BB)

Rate of fire: up to 800 shots/min. with inserted short-stroke buffer.

1-5 — Operating limits

1-5-1 — Temperatures

1-5-1-1 — Extreme operating temperatures

— For bullet firing

+ 10° C

+ 45° C

The operation can be decreased by cooling down the Gas and depends on the rate of firing and outside temperature.

1-5-1-2 — Storage safety and tips.

Warning: It is not recommended to store the weapon and the magazine in the sun for a longer time. For safety, always store the magazine without inserted bullets. Leave a small rest of airsoft-gas with silicone inside, will help to care the rubber seals for a long time. Always store the weapon without inserted magazine. Use the trigger in safety position and check, that there is no bullet left inside the chamber.



1-6-1 — Before firing Ensure.

- that the firing selector is in in proper position,
- that the barrel is perfectly clean.

1-6-2 — During firing

- Do not put the hand beetwen the protective handle and the cocking lever slot.

1-6-3 — After firing

- When the magazine still contains BBs: put the safety catch back to the safety position.
- When the magazine is empty : make sure that the chamber is empty of any BBs.

2 — Description and operation

2-1 - DESCRIPTION

The rifle is made up of 7 main parts:

- 1 — The "rifle body", itself made up of the following components.
-Barrel -Breech casing -Cocking mechanism -Stock -Tube sub-assembly.
- 2 — The mobile assembly
- 3 — The fire-control-unit
- 4 — The stock fitted with the cheek rest
- 5 —The protective handle
- 6 — The magazine
- 7 — The two branches of the bipod



2-2 — Operation

2-2-1 — Loading the Magazin

— The Magazin holds 25 BBs in caliber 6.00 mm. It is recommended to remove the last bullet after loading to protect the nozzle of damage. A speedloader with attachment can be used. Fill in the gas in the upper valve on the backside of the magazin for 7-10 seconds.



2-2-2 — Trigger and firing mechanism

The trigger mechanism is of the so-called escaping cam' type.

2-2-3 — Firing selectors

- The weapon has two selectors.
- The firing selector, located at trigger level,
- The 3-shot limited burst selector, situated on the underside of the mechanism unit.
- This configuration is explained by the fact that the conventional hammer and trigger mechanisms (single-shot firing and firing in bursts) are independent of the burst limiter, Thus a failure of the burst limiter under harsh operating conditions (mud, sand, ice, etc) does not interfere with operation of the basic mechanism.

The following three firing methods may be chosen:

- Semi-automatic:

Firing selector on position "I" 1 shot

Limiter selector on position "0" or "3" (inoperative)

- Limited bursts of 3 shots:

Firing selector on position "R" bursts

Limiter selector on position "3" bursts of shots

- Automatic

Firing selector on position " R" bursts

Limiter selector on position "0"

The safety position corresponds to placing of the firing selector on the centre line of the barrel in front of the trigger.

Attention: The firing modes on your modell can be adapted to existing laws of your country. In Germany, the selectors can be moved in any position, but the gun will only shot in semi-automatic.

3 — USE IN NORMAL CONDITIONS

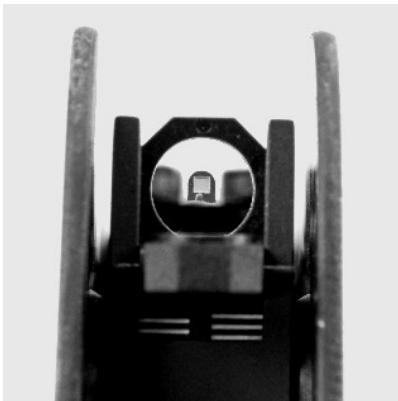
3-1-1 day firing



— With normal light, keep the two flaps of the ringsight closed, the eye-piece diameter is minimum and gives maximum precision.

— In bad light, flip down the front flap, the diameter of the eye-piece is greater.

3-1-2 Night firing



Flip down the two ringsight slide flaps and lift up the slide located on the front face of the front sight support. It is necessary to align the target, the green luminescent spot (materialising the support), and the two red luminescent spots which appear on the sighting rule support for direct grenade firing when this sighting rule is folded back.

3-1-3 — Firing

Semi-automatic firing

— Firing selector on position 1 Limited burst selector on position 0. (recommended position although not compulsory).

— Pull the trigger, a single shot is fired. Release the trigger. The following cartridges are fired in the same way until the magazine is empty.

— For precision firing, the finger pressure control on the trigger is facilitated by a small boss.

Firing in three-shot bursts

— Firing selector on position R. Limited burst selector on position 3.

— Pull the trigger.

— It is very important to pull the trigger home AS FAR AS POSSIBLE and to hold it in this position. If trigger travel is limited, the rifle acts as if it were in single shot firing mode. In such cases, it is possible that bursts of only two shots, or even a single shot, will be obtained. — In all cases, the following burst will include three shots if, as specified, the trigger is maintained fully pulled, as the burst selector returns to its initial position as soon as the trigger is released.

In automatic firing

— Firing selector on position R. Limited burst selector on position 0.

— Pull the trigger home completely.

— It is important to maintain the trigger pulled home for as long as the burst of firing is to be continued. To interrupt a burst, simply release the trigger.

3-2-1 — Using the bipod

Deployment of the bipod

- Take one leg of the bipod and pull it towards the rear of the rifle until it can swivel freely around its joint.
- Swivel the leg forwards until it clicks into the notch of the required position.
- Repeat this operation for the second leg.

Folding away of bipod

- Take one leg of the bipod and pull it towards the bipod-feet until it unlocks the position. Now move it back into transport position.
- Repeat this operation for the second leg.



3-2-2 — Adjusting the Hop-Up

— The optimum setting should only be made after a few magazines, as the hop-up rubber should first wear a little to grip cleanly on the BB. To do this, remove the magazine and then pull back the charging handle and hold it in the rearmost position.

— The hop-up can now be adjusted with the finger until the optimum trajectory is achieved.

It is a hop-up which has 2 end positions and cannot be fully rotated. Turning it to the left reduces the hop-up power and turning it to the right increases it.



3-2-3 — Adjustment for elevation



— The line of sight is adjusted for elevation by moving the ringsight unit as follows. Lower the adjustment wheel index and then compress the ringsight spring by means of the screw. To facilitate this operation, a cartridge case can be removed to compress the spring.

— If the rifle fires high: tighten the bolt and the ringsight is lowered.

— If the rifle fires low: unscrew the bolt and the ringsight rises.

3-3-4 — Adjustment for direction



— Direction is adjusted by compressing or releasing a spring blade by means of a serrated nut.

— If firing is to the left: screw off.

— If firing is to the right: screw on.

— Value of the shift: the passage from one notch to another causes a variation in the mean centre.

3-2-2 — Usage of the Short-Stroke-Buffer

— To c the rate of fire, the weapon is equipped with a short-stroke buffer.

This is located in the rear of the stock and can be easily removed and remounted without tools by levering out. The buffer itself is 2-part aluminum and spring-loaded. This reduces the path of the bolt a little, but produces a stronger recoil and an increased rate of fire.



4 — JAMMING AND TROUBLE

4-1 — Jamming

— If a BB is not fed cleanly into the hop-up chamber and becomes jammed, this may result in the bolt not being able to be fully advanced. It is recommended to remove the magazine and move the charging handle to the rear to remove the BB through the cartridge ejection window. If this is not successful, the stock can be removed for better access to the BB.

4-2 — Magazin feeding problems

— Some BBs have a very rough surface. This can cause the feed from the magazine into the gun not to function properly and may result in blank shots.

Use only high-quality, non-deformed BBs with a smooth surface. Likewise, do not use used or damaged BBs, as this may result in damage to the gun.

4-3 — Slower shooting / less performance

— The colder the gas in the magazine, the less it is able to change from a liquid to a gaseous state. This also reduces the performance of the weapon and results in weaker shots and slower repetition. In general, the weapon can be used very well in colder environments. For this purpose, it is recommended to fill the magazines only with a little gas and only when using the corresponding rest of the gas briefly refill. The use of black gas can be useful here.

5 — MAINTENANCE

5-1 — Dismantling for maintenance

5-1-2 — Remove the stock

— If the strap is tight, slacken it as would normally be the case for carrying the weapon over the shoulder.

— Expel the stock assembly stud, and place it in the tubular casing for fixing the stock to the breech casing. — Pull the stock backwards.

— In order to dismantle the cheek rest, push the top of this part so that by elastic deformation it can be removed from the stock.

5-1-3 — Remove the protective handle.

— Expel the assembly stud of the protective handle and place it in the tubular casing fitted to the ringsight support.

— Push the protective handle towards the foresight, removing it from the sighting line by pulling it upwards.

5-1-4 — Remove the fire-control unit

— Push the mechanism unit assembly stud with the tip of a bullet or one of the two stock studs or protective handle studs and pull it so as to bring it into contact with the breech casing safety catch.

— Remove the mechanism unit by rotating it round the rear support of the breech case.



5-2 — Maintenance

- To maintain and protect all moving parts, it is recommended to use a silicone oil that is non-aggressive to rubber seals.
- Clean the running surfaces of the bolt and apply some silicone oil to the running surfaces.
- The fire control unit can also be treated with this oil to keep the moving parts in good working order.

5-2-1 — Cleaning

- The weapon must be cleaned as often as necessary, and obligatorily after each use, as soon as circumstances permit.
- Cleaning must be limited to the removal of dust, moisture, impurities and surface rust. Cleaning must never be taken to extremes.
- To clean the inner barrel, we recommend using a cleaning rod and a dry, soft cloth that does not lint.

Important: The use of abrasive substances (emery cloth, glass paper) or metal objects (knife blade or screwdriver) is strictly forbidden.

PART NAME	Qty
<p>6 mm GBB assault rifle, model F 1.</p> <p>Serial Number:</p> <p>ACCESSORIES.</p> <p>Magazine (Article-Nr. 57215)</p> <p>Bayonet (Article-Nr. 55799)</p> <p>Oil-Can (Article-Nr. 55734)</p> <p>Weapon Case OD (Article-Nr. 53952)</p>	<p>1</p> <p>1</p>

5 — Warning

- The user/owner should adhere to all federal, state and local laws governing the ownership and use of airsoft guns. Consult your local law enforcement agency prior to use.
- This replica is not a toy and should be handled with great care.
- Protect your eyes and mouth when using your replica
- Engage the safety to avoid any risk of unintentional discharge.
- When not firing, maintain your finger away from the trigger.
- Never aim directly at a person or an animal. Avoid shots which could ricochet.
- Only use projectiles with a caliber fit for this replica.
- Do not display this replica outside of dedicated airsoft areas. You could create confusion. Law enforcement forces could also mistake your replica for a real firearm.
- Never leave your replica without Surveillance.
- Check that your replica is unloaded before any transportation.
- Store your replica in a safe place, outside of children's reach
- Parents must not allow minors to take this product to school. Having this product at any school or college or university may be a crime.
- Do not try to modify your replica. It could result in a change of classification identifying your replica as a firearm.

En France, la vente de ces produits est réglementée par le décret n°99-240 du 24 mars 1999, qui interdit la vente, la distribution et la mise à disposition à titre onéreux ou gratuit aux mineurs des objets ayant l'apparence d'une arme à feu dont l'énergie est comprise entre 0,08 et 2 Joules.

DISTRIBUTION INTERDITE AUX MINEURS.

ATTENTION: NE JAMAIS DIRIGER LE TIR VERS UNE PERSONNE.

