



HATSAN
ARMS COMPANY



HATSAN BREAK BARREL AIR RIFLES

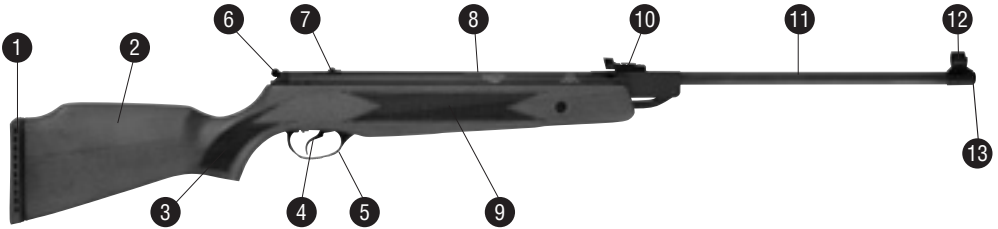
Manual

PLEASE READ THIS MANUAL BEFORE USING YOUR AIR GUN

Thank you for choosing Hatsan break barrel air rifle
Please fill in below according to your air rifle:

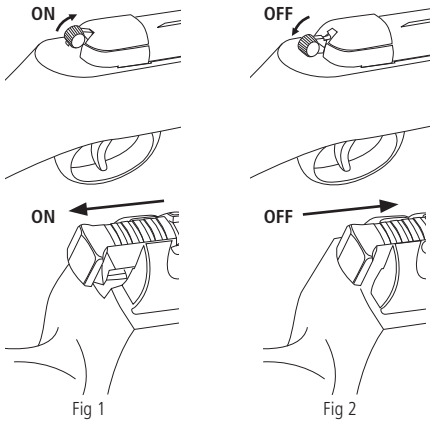
Model Caliber Serial Number
.....

Section I. Basic Parts of Your Gun



- | | | |
|----------------------------|---------------------|-----------------|
| 1. Butt plate / Recoil pad | 6. Safety button | 11. Barrel |
| 2. Stock | 7. Dovetail grooves | 12. Front-sight |
| 3. Grip | 8. Receiver | 13. Muzzle |
| 4. Trigger blade | 9. Forearm | |
| 5. Trigger guard | 10. Rear - Sight | |

Section II. Manual Safety



Safety button can be set to 'ON' and 'OFF' position manually.

- To set the safety to 'ON', push safety button upwards. In this position, the trigger cannot be pulled and the gun cannot be shot. (Fig.1)
- To remove the safety to 'OFF', pull safety button downwards. In this position, the gun is ready to shoot. (Fig.2)

CAUTION: Until you are actually ready to shoot, keep the safety button in the "ON" position (Fig. 1).

Section III. Automatic Safety & Anti Bear-Trap Mechanism

Your air rifle is equipped with automatic safety and anti bear-trap mechanism. Automatic safety sets the safety to "ON" automatically during cocking of the air rifle. Anti bear-trap mechanism prevents the safety button being put to "OFF" position when the barrel is broken. Automatic safety & anti bear-trap mechanism together prevents accidental pull of the trigger when the air rifle is cocked, so preventing undesirable charges which may cause damage.

Section IV. Adjustable Trigger

This air rifle equipped with adjustable trigger for "trigger travel" & "trigger pull". The adjustment is made by bolt #1. When you rotate this bolt clockwise the trigger travel increases and trigger pull decreases. When you rotate this bolt anti-clockwise the trigger travel decreases and trigger pull increases. (Fig. 3)

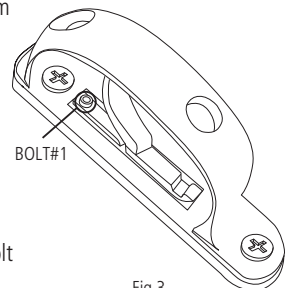


Fig 3

Section V. Quattro Trigger

If your air rifle is equipped with Quattro trigger, (Fig. 4), you can adjust “trigger travel” & “trigger pull” as follows:

BOLT#1 is for trigger pull force adjustment.

For less trigger pull force prior to discharge, rotate BOLT #1 clockwise; and vice versa.

BOLT#2 is for trigger travel adjustment.

For less trigger travel prior to discharge, rotate BOLT #2 clockwise; and vice versa.

BOLT#3 is for adjusting the trigger force to pull the trigger till the end of 1st stage. When this is turned clockwise, this force increases; and vice versa

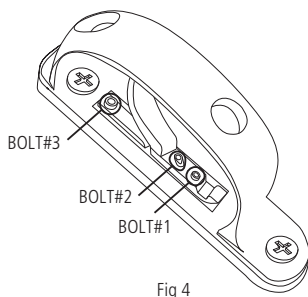


Fig 4

Section VI. Micro Adjustable Rear-Sight

The rear-sight is a sensitive device and can be adjusted both for elevation and windage by steps of 0.1mm, meaning 1mm deviation when shooting to a target 10m away.

Windage adjustment

- If the shot is deflected to the left of the target, turn the KNOB#1 clockwise. (Fig. 5)
- If the shot is deflected to the right of the target, turn the KNOB#1 counter-clockwise. (Fig. 5)

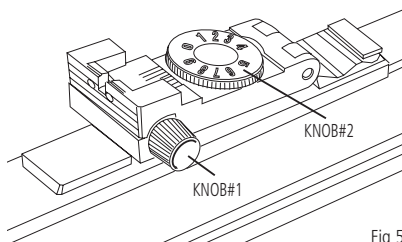


Fig 5

Elevation adjustment

- If the shot is too high, turn KNOB#2 clockwise. (Fig. 5)
- If the shot is too low, turn KNOB#2 screw counter-clockwise. (Fig. 5)

Section VII. Operation Instructions

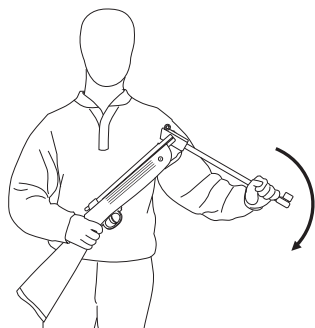


Fig 6

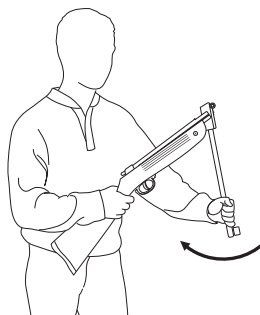


Fig 7

Cocking the gun: Hold the pistol grip with one hand and by placing the stock on your hip, break the barrel all the way down with the other hand (Fig. 6 & 7). Here you will notice that the safety button set to 'ON' position automatically even if you left it in 'OFF' position, which is due to automatic safety.

Note: If your air rifle is equipped with “barrel lock” system, you need to push forward the barrel lock button in order to break the barrel.

CAUTION: Do not leave the air rifle cocked for a long time. Otherwise the spring may be subject to fatigue, which decreases the performance of the gun.

Loading the gun:

Load the air rifle with only one pellet. (Fig. 8)

Shooting:

Bring the barrel to its fully closed position. (Fig. 9)

- Be sure that the barrel is closed completely and you hear a click upon closing the barrel.

Sight in*, disengage safety and get ready for shooting (Fig. 10)

(*The air rifle is correctly aimed when the front sight blade is positioned exactly in the notch of the rear sight. The sight picture should look like Fig. 11.

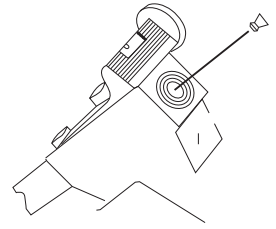


Fig 8

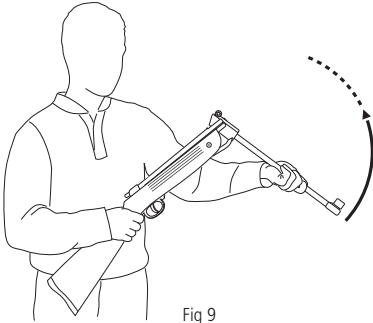


Fig 9

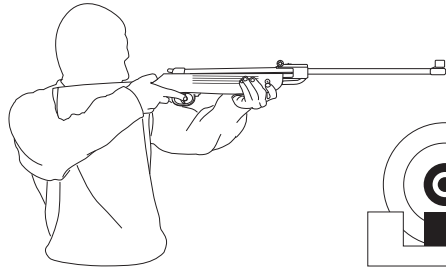


Fig 10

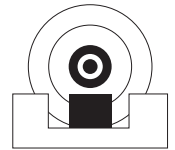


Fig 11

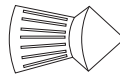
Section VIII. Ammunition

Proper use of ammunition

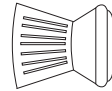
There is, available, a variety of pellet types of varying weights that can be loaded in your air gun;



Dome head



Pointed head



Flat head

The choice of pellet type and weight is very dependent on the intended purpose of the shoot. So, it is recommended to use:

- Flat head pellets for close range shooting and for extreme accuracy
- Dome head pellets for greater impact on the target
- Pointed pellets for considerable expansion
- Heavy weight pellets, especially heavy weight dome head pellets, for maximum penetration & expansion at the target.

Pellet weight and external shape combination plays a very important role on the muzzle velocity and ballistic performance, but weight has the dominant role. Lighter pellets provide higher velocities, usually produce less recoil and give a flatter trajectory path to the target-leads to less guesswork. On the other hand, heavy pellets are more accurate and retain more energy downrange so giving a greater penetration and expansion on the target.

Safety Measures for Ammunition

- Pellet quality is highly important in order to have effective results. So, use only high quality factory-manufactured pellets.
- Never reuse pellets.
- Do not touch face or mouth after handling pellets. Wash hands after handling pellets.

- Do not oil pellets nor use dirty, corroded, bent, damaged or wet pellets.
- USE ONLY THE PELLETS OF THE CALIBER, WHICH YOUR AIRGUN IS CHAMBERED.
- Always load your air gun with only one pellet and be sure to load the pellet with the skirt end toward you.
- If you feel unusual resistance when loading a pellet or a shot which sounds not normal, immediately check the barrel for a possible obstruction.
- If a pellet obstructs the barrel, do not try to remove it by firing with a subsequent pellet. This may cause serious damage to the air gun and cause serious injury to you or bystanders. In such a case, first try to remove it with a cleaning rod firstly making sure that the rifle is not cocked. If it still cannot be removed take the air gun to a qualified gunsmith.

Section IX. Care, Cleaning & Lubrication

- Protect your air gun with gun oil periodically. It is very important and necessary to oil your air gun when it is
 - Not used for a long time
 - Shot under dry & dusty conditions
 - Used in wet weather (oil it before & after use in such a case)
- It is recommended to oil your air gun every 250 shots.
- It is recommended to clean the barrel with a cleaning rod every 500 shots.
- Before you begin oiling or cleaning your air gun, always check to make sure it is unloaded.
- Always be sure your air gun barrel is clean and not blocked.
- After cleaning; check ensure sure that no cleaning patch or other obstruction remains in the barrel.
- Annually, take your air gun to a gunsmith even if it seems to be working well, since some issues in your gun may not be apparent from external examination.
- Take your air gun to a gunsmith if water, sand, etc. enters the internal mechanism of the air gun, for complete cleaning.
- Dangerous conditions may occur if you do not keep your air gun clean and working properly.

Safety Measures & Warnings

- This air gun will shoot if cocked, loaded, safety disengaged and trigger pulled.
- Air guns are not toys. Never let young children use an air gun unsupervised. Adult supervision is strictly required during use. Misuse or careless use may cause serious injury or death.
- Learn how your air gun operates and safe gun handling procedures before loading and using it.
- **ALWAYS USE EYE & HEARING PROTECTION AND MAKE BYSTANDERS USE THE SAME.** Failure to do so may result in eye injuries and permanent hearing loss.
- Do not point at anything you do not intend to shoot even though the gun is unloaded. Always keep the gun pointed in a safe direction.
- Never pull a gun toward you by the muzzle.
- Always aim at a safe target, taking care that it does not conceal any other object.
- Before you shoot, consider where the pellet will travel should you miss your intended target, thus ensuring no damage or harm could result.
- Be sure of your target before you pull the trigger. Never shoot at sounds.
- When shooting, always have a safe shooting range, that is; have a safe area for shooting, a safe distance between you and the target, and a safe backstop to trap the pellets and hold the target.
- Do not shoot at a target, which allows ricochets or deflections.
- Do not shoot into or at water.
- Do not shoot at or near powerlines or insulators. Be especially careful in wooded areas where powerlines may not be as visible.
- Do not load the air gun until you are ready to shoot.
- Always keep your fingers away from the trigger & muzzle during cocking and handling.
- Do not walk, run or jump when carrying a loaded or cocked air gun. A loaded or a cocked air gun should never be carried inside a vehicle, house, camp or public place. Never climb a tree or fence or jump a ditch

with a loaded air gun. In such a case, first unload it and hand the gun to a friend or place it on the ground on the other side of the obstacle before crossing yourself.

- When transporting the air gun, keep it unloaded and 'on safe'.
- Always keep the air gun 'on safe' until you are ready to shoot even if the air gun is unloaded.
- Do not put the air gun away loaded and unattended.
- Always check to see if the air gun is 'on safe' and unloaded when getting it from another person or from storage.
- **ALWAYS KEEP THE AIR GUN AND/OR PELLETS OUT OF THE REACH OF CHILDREN.**
- Keep the air gun and pellets in separate places, better if under lock and key.
- Do not attempt to disassemble or tamper with your air gun. Use a competent gunsmith. Many air guns contain powerful springs which can cause serious injury if released in an uncontrolled manner.
- Always handle and treat your air gun as though it were loaded.
- Improper use or handling of air guns is not the responsibility of the manufacturer or distributor, under any circumstances. The user is responsible for any harm, which may be caused.
- Think first, shoot second.
- Don't rely on any mechanical safety. Half safe is not safe.
- Be safe not sorry.
- Respect other's property.
- Air guns should never be used under the influences of alcohol or drugs.

MOD 135QE

1250fps POWER!

VORTEX
GAS PISTON
Vortex Gas Piston Upgrade Available

QUATTRO
TRIGGER

QuietEnergy Series

**FULLY SHROUDED
BARREL**



Integrated Sound Moderator

QuietEnergy Sound moderator in muzzle break for reduced down-range noise

- Single shot break barrel action.
- QuietEnergy fully shrouded barrel and Integrated Sound Moderator - **Approximately 50% Quieter.**
- Available in .177 (4.5 mm), .22 (5.5 mm) and .25 (6.35 mm) caliber.
- Quattro Trigger is a 2-Stage fully adjustable match trigger system.
- SAS Shock Absorber System significantly reduces vibration.
- High quality and genuine Turkish walnut stock-hunting style, ergonomic and stylish design and montecarlo cheekpiece.
- Elevation adjustable comb.

- Checkering on grip and forearm for better control and feel.
- Scope mount rail for both 11mm & 22mm mounts.
- Shock absorber scope stop.
- Gold plated trigger blade.
- Precision rifled steel barrel.
- Manual safety & automatic cocking safety.
- Anti bear-trap safety.
- Micro adjustable rear sight for both windage and elevation with Truglo fiber optics.
- Open metal front sight with Truglo fiber optics.
- Includes a free sling.

Model	Caliber	Max. Muzzle Velocity (*)	Stock	Length	Barrel Length	Weight	Fiber Optic Sights Diameters	
							Rear Sight	Front Sight
Mod135QE	4.5mm/.177cal	380 m/s (1250 fps)	Genuine Turkish walnut elevation adjustable comb	1200mm (47.2")	270mm (10.6")	4.35kg (9.6lbs)	0.9mm (.035") green	1.5mm (.060") red
	5.5mm/.22cal	305 m/s (1000 fps)						
	6.35mm/.25cal	230 m/s (750 fps)						

* Above maximum muzzle velocity figures may differ depending on the pellet weight & shape.

* The energy restrictions of a particular country can be achieved by the reduction in the muzzle velocity. The above maximum velocity figures are obtained when there is no energy restriction on the air rifle.



WHY HATSAN VORTEX GAS PISTONS?

Unlike our competitors, Hatsan Vortex Gas Piston technology is developed and manufactured by Hatsan to be specifically used in most Hatsan Break Barrel and Under Lever airguns.

Hatsan Vortex Gas Pistons utilize regular air instead of any other type of gas.

Hatsan offers 6 different types of Hatsan Vortex Gas Pistons – encompassing the majority of Hatsan’s line of Break Barrel and Underlever spring action guns. The following models are offered:

Type 1: Mod 55-60-70-75-80-85-87-90-SpeedFire

Type 1-B: Mod 88-95-99

Type 2: Mod125-125TH-125 Sniper-135 -Torpedo 150-150TH-155

Type 3: Striker 1000S-1000X-Edge

Type 4: Dominator under lever series

Type 5: Torpedo 100X-105X under lever series

Type 6: Mod25 SuperCharger / SuperTact

Type 7: Proxima

Benefits of Gas Piston Airguns

- Gas piston powered airguns can remain cocked for long periods of time without causing any spring stress or damage to the gun.
- Gas piston powered airguns produce more steady and consistent power between consecutive shots versus spring powered airguns.
- Gas Piston powered airguns eliminate most of the vibration caused by the oscillation of the heavy springs used in spring powered airguns. Gas Piston models oscillate much less and finish the action cycle in less time than spring powered models making for a more comfortable confident shooting experience.
- Gas piston powered airguns' lifecycle is significantly greater than its spring action counterparts. There is no risk of spring fatigue or spring breakage. Fewer moving parts result in a much more efficient and reliable operating system.
- Gas piston powered airguns provide higher, consistent velocities over their lifetime when compared to spring action models. Springs get weaker over time causing decreases in velocity.
- Gas piston powered airguns provide a much smoother and quieter shooting experience than their spring action counterparts. With gas powered models, the cocking action is much smoother. Also, spring grinding noises are eliminated during the cocking and firing sequence.



- More steady and consistent power between consecutive shots.
- Eliminates most vibration caused by oscillation of heavy springs.
- Much smoother and quieter shooting experience.



FOR IMMEDIATE RELEASE

HatsanUSA Turns Down the Volume of PCP Airguns
New QuietEnergy Technology Drastically Reduces Noise by 50 Percent

Turkish airgun manufacturer Hatsan is known throughout the world for its superior craftsmanship, attention to detail and hard-hitting power. Now, the company has released its highly innovative QuietEnergy Technology as an option for all PCP airgun models to reduce noise without affecting muzzle velocity or accuracy.

This cutting-edge technology utilizes a fully integrated shrouded barrel that tapers into a sound moderator to drastically reduce the overall noise created by powerful pre-charged pneumatic (PCP) airguns by up to 50%.

“What’s great about the new QuietEnergy Technology is that it makes some of the most popular and powerful airguns from Hatsan even better without diminishing muzzle velocity or accuracy,” said HatsanUSA President and CEO Blaine Manifold. “Shooters will be able to enjoy a quieter and more enjoyable shooting experience. The reduced sound signature allows shooting closer to populated areas or shooting without startling nearby game.”

Like all airguns from HatsanUSA, nearly every component of the QuietEnergy Series is produced in-house by the Turkish manufacturer - including the high quality German steel barrels, and two-stage Quattro Trigger systems.