

NÁVOD NA POUŽITÍ  
INSTRUCTION MANUAL  
BEDIENUNGSANLEITUNG  
MODE D'EMPLOI

## Brno Effect



**BRNO RIFLES**

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## **SAFETY INSTRUCTIONS**

Always follow the safety instructions for your own safety and the safety of others.

1. Always handle your firearm as if it were loaded.
2. Never point your firearm at anything you do not intend to shoot.
3. Never take anyone's word that the firearm is unloaded.
4. Always make sure that your firearm is unloaded and "broken" before laying it down, or handing it to another person.
5. Always store your firearm unloaded, with its striking mechanism released.
6. Never abuse your firearm by using it for any purpose other than shooting.
7. Never leave a cocked and loaded firearm unattended.
8. Prior to loading the firearm, make sure that the barrel bores are clean and clear of obstructions. Clean a dirtied firearm immediately so that it will always function properly and safely.
9. Use only clean, original, high quality commercially manufactured ammunition, which is appropriate to the caliber of your firearm.
10. Never drink alcohol or take drugs before or during shooting.
11. Always wear safety glasses and ear protectors during shooting whenever possible.
12. Always keep the safety on when the firearm is loaded, until you are ready to fire. Keep the firearm pointed in a safe direction whilst disengaging the safety.
13. Always ensure that ejected cartridge cases can not cause injury either to yourself or others during the ejection process.
14. Never squeeze the trigger, or put your finger in the trigger guard until you are aiming at a target and ready to shoot.
15. A rifle with an activated set-trigger should be handed with maximum care, as even jolts during handling operations could cause an unintended discharge.
16. Always be absolutely sure of your target, and the area behind it, before you squeeze the trigger. Shot or bullets could travel through or past your target and up to several hundred meters.
17. Never shoot at a hard surface such as rock, or a liquid surface such as water.
18. Never fire your firearm near an animal unless it is trained to accept the noise.
19. Never indulge in "horseplay" while holding your firearm.

20. Failure to fire: In case of failure to fire hold the firearm keeping it pointed towards the target, or a safe open area and wait 30 seconds. If a hangfire (slow ignition) has occurred, the cartridge will fire within 30 seconds. If the cartridge does not fire, eject the cartridge and examine it. If the firing pin indent on the cartridge is light, or non-existent, have the firearm examined by a competent gunsmith.
21. Always make sure your firearm is not loaded before cleaning, storing or travelling.
22. Always keep and store your firearm and ammunition in separate locked receptacles out of the reach and sight of children and untrained people.
23. Never alter any parts of your over and under as the safety and proper functioning of your firearm could be seriously compromised.
24. Always be aware that corrosion, use of damaged ammunition, dropping of the firearm onto hard surfaces or other "coarse treatment" could cause damage that might not be visible. If something like this happens have the firearm examined and tested by a competent gunsmith.

## **DESCRIPTION AND TERMINOLOGY**

The Brno Effect break-action rifle is designed for hunting using ball cartridges according to the barrel caliber, which are in compliance with CIP regulations. The barrel caliber is indicated on the barrel sleeve side. This rifle consists of the following main assemblies:

- Receiver
- Fore-end
- Barrel

### **Receiver**

consists of the stock and receiver connected by a bolt. The breech, firing and trigger mechanisms are installed in the receiver. The breech mechanism consists of the barrel hinge pin and the top lever operated wedge. In its opened position is the wedge secured by a latch. In the closed position, the barrel is matched together with the receiver to the front plate and the angular plane of the receiver. The actual locking is made by engagement of the wedge. The firing and trigger mechanisms consist of the hammer, sear, and trigger. The hammer pivots on a pin. Cocking is actuated by the movement of the wedge when breaking the firearm using the top lever. The safety is located on the top rear portion of the receiver. On a special order the stock can be made with the cheekpiece on the right side for the left-hand shooter convenience.

## **Fore-end**

consists of the assembled barrel band and fore-end proper. The barrel band supports the barrel when breaking the rifle.

## **Barrel**

is made of self-supporting barrel screwed into sleeve. The fore-end hook, front sight base and rear sight are affixed to the barrel and secured by screws. The sling swivel base is soldered to the barrel.

The parts and components of this firearm's barrelled action are made of high-grade construction steel and are heat-treated. The surface is protected by alkaline oxidation. The gunstock and fore-end are made of walnut wood and stained. Gripping surfaces are provided with checkerings.

## **OPERATING INSTRUCTIONS**

### **Observe Following Principles when Shooting the Firearm**

- before you start shooting, you must clean the firearm's external surfaces followed by barrel bores including both cartridge chambers and finally wiping all surfaces dry
- use only good quality, not corroded cartridges
- do not use cartridges that have been dropped and are dirty unless properly cleaned
- always wear suitable ear protectors and safety glasses when shooting
- do not fire an oiled firearm

### **Loading the Rifle**

Using your right hand thumb, push the top lever to the right, away from you. This movement pushes away the wedge and hammer resulting in cocking of the firing mechanism. Using your left hand apply downward pressure to the barrel and open the action (Fig. 1). When the action is broken, the top lever is kept in the open position through the locking wedge latch.

Insert cartridge into the chamber and fully close the action. With this movement the latch releases the wedge, which will then lock the barrel. The rifle is properly locked if the top lever is positioned perpendicularly against the barrel muzzle.

### **Reloading the Rifle**

With the action opened (as described above) replace the spent cartridge with the live cartridge. The cartridge (spent or not) is only partially extracted from the chamber.

## **The Safety and its Operation**

The manual safety mechanism is engaged by pulling the safety slide backwards to its rear position (Fig. 2). The safety is disengaged to its "Safety-Off" (FIRE) position by shifting the safety catch forward, an orange warning dot appears and after taking aim, the rifle is fired by pulling the trigger.

## **Set-trigger and its Operation**

The trigger can be used with the set-trigger function. With the safety engaged activate the set-trigger by pushing the trigger blade from the rear in the forward direction until it snaps (Fig. 3). After disengaging the safety and taking aim discharge the rifle with pulling the trigger in a light and steady manner. If you have activated the set-trigger and you do not follow through with firing, keep your firearm pointed in a safe direction while carefully engaging the safety and then squeeze the trigger.

Note: The manufacturer sets the set-trigger pull for 1,2 - 3,2 N. The adjustment screw is secured in its position by an indentation. It is not recommended to adjust the set-trigger outside above mentioned values.

## **Sighting-in**

The rifle was sighted-in at the manufacturing plant at a distance of 100 m using factory made commercial cartridges. The name of cartridges producer and the type of bullet used are listed on the enclosed sighting-in target sheet. Three shots placed in the circle of 10 cm (3.9 in.) with its centre at the point of aim give the shooter sufficient assurance of the good shot under real conditions of hunting.

## **Interchangeable Barrel**

The Brno Effect break-action rifle can be supplied with interchangeable 20 ga. shotgun barrel.

## **MAINTENANCE INSTRUCTIONS**

### **Rifle Disassembly**

With the rifle locked and unloaded push the fore-end latch out (Fig. 4) and at the same time, push the fore-end slightly towards the barrel. Remove the fore-end from barrel (Fig. 5). In case you own a version having a long fore-end then it is necessary to unscrew the sling swivel.

Hold the receiver in your right hand and the barrel in your left. Pressing the top lever, unlock the breech mechanism. Rotate the barrel around the hinge pin. When you have rotated the barrel by about 30°, it is possible to lift the barrel out of the hinge pin (Fig. 6) free of the action.

## **Rifle Assembly**

Rotate the top lever to the open position until the locking wedge latch snaps in. If the firing mechanism is released, then the hammer is during this operation cocked. Place the barrel in the receiver and slip it onto the hinge pin, rotating the barrel upwards closes the rifle, and the catch releases the wedge, which will lock barrel (Fig. 7). It is not possible to place the barrel in the receiver without the top lever arrested.

Fit the fore-end on the front receiver surface and pivot it on the receiver guide surfaces, finally push the fore-end against the barrel (Fig. 8). A latch snaps down under the fore-end hooks.

To check the correct assembly, break the firearm and close it again.

## **Cleaning the Firearm**

In principle, the barrel should be cleaned from the cartridge chamber towards the muzzle, with a cleaning rod having a soft bore brush or patch using, cotton wool or soft cotton textiles. Use only brand name cleaning and preservation agents intended for firearms.

The bore and the chamber should be cleaned immediately after shooting.

Wipe the rifle surfaces dry and rub in a thin layer of oil. Preserve the stock and the fore-end with a special wood-protecting agent.

Timely and proper cleaning extends the service life of firearm. Keep the rifle in a dry place in order to avoid alternating moisture condensation and thus degradation of wooden and steel parts.

When your firearm has not been fired, check it at least once a month and retreat with proper preserving agent.

If you do not use the rifle, release the firing mechanism using the cartridge specifically designed for this purpose.

It is recommended to grease the sliding surfaces of the extractor and fore-end with the gun grease.

It is not recommended to clean the rifle with metal brushes. Removal of fouling and any residues should be carried out only with the use of soft (wooden, plastic) tools.

It is recommended to have the rifle checked and cleaned by a special workshop once a year.

The manufacturer is not responsible for firearms repaired by the owners themselves.

Adherence to these principles and recommendations will ensure faultless functioning of the firearm.

## WARRANTY CONDITIONS

The manufacturer warranties proper functioning and preciseness of the firearm for two years from the date of purchase. This warranty covers defects in materials, improper heat treatment or workmanship.

This warranty is valid only for the first owner, who must show this Certificate of Warranty stamped and signed by the retailer who sold the firearm.

If all the warranty conditions have been met, transport of the firearm packed in its original package is paid for by manufacturer.

This warranty does not cover defects and faults caused by unauthorized repairs or modifications, negligence, or improper handling and inappropriate storage.

## TECHNICAL SPECIFICATIONS

Model	Brno Effect
Caliber	.308 Win., .243 Win., .30-06 Spr., 6,5x57 R, 7x65 R, 8x57 JRS
Overall Length [mm]	1020
Barrel Length [mm]	600
Sights Radius [mm]	400
Weight [kg]	~ 2,7

## LIST OF ILLUSTRATIONS

1. Loading
2. Engaging the safety to the "Safety-On" mode
3. Activating the set-trigger
4. Pushing away the fore-end latch
5. Removing the fore-end
6. Rifle disassembly
7. Rifle assembly
8. Fore-end re-assembly





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