

**NÁVOD NA POUŽITÍ  
INSTRUCTION MANUAL  
BEDIENUNGSANLEITUNG**

**BO 801 / BO 802 / BO 803**



**BRNO RIFLES**

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## **SAFETY INSTRUCTIONS**

1. Always point the gun muzzle in a safe direction even if the gun is not loaded or loaded and locked. Pointing the gun in any other direction is inexcusable.
2. When you handle or store the gun, always make sure that the gun is locked and the chambers are empty.
3. Do not transport a loaded gun.
4. Check the cleanliness of the barrel prior to loading.
5. Do not load the gun unless you are at the firing stand or hunting has started.
6. Lay your finger on the trigger at the moment you are ready to fire, not earlier.
7. Make sure of your target and surrounding, do not fire into water and at low flying targets.
8. Always unload the shotgun when climbing or crossing obstacles.
9. If the gun misfires, wait for 30 seconds whilst pointing the barrels in a safe direction. Open the gun carefully and pull the cartridges out.
10. When handling the gun refrain from drinking and drugs when firing.
11. Do not modify any parts of the gun yourself.
12. When you unpack the gun from the transport box, remove the preservation agents.
13. Use the double set trigger just before you fire.

## **DESCRIPTION AND TERMINOLOGY**

The Over and under shotgun BRNO 801 over and under gun has been designed for hunting shooting using 12 bore cartridges, corresponding to the cartridge chambers and cartridges designed for the barrel's bore and meeting CIP regulations. The bores and length of shot chamber are engraved on the side of barrel sleeve. For shooting it is possible to use the 12-bore cartridges with various shot loading, including steel pellets according to proving mark. For single firing, the manufacturer's restriction is valid for cartridges designed for smooth bores and choke bores  $\varnothing$  17,6 mm.

The Shotgun/Rifle Combinations of BRNO 802 over and under gun has been designed for hunting shooting using 12 bore cartridges, corresponding to the cartridge chamber and cartridges designed for the barrel's bore and meeting CIP regulations. The bores and length of shot chamber are engraved on the side of barrel sleeve. For shooting it is possible to use the 12-bore cartridges with various shot loading, including steel pellets according to proving mark. For single firing, the manufacturer's restriction is valid for cartridges designed for smooth bores and choke bores  $\varnothing$  17,6 mm.

Superposed rifle BRNO 803 is designed for game shooting with ball cartridges according to the barrel bore. The barrel bores are specified on the side of the barrel collar, the cartridges used must comply with the CIP provisions.

The double-barrelled gun consists of these main groups:

- Complete case
- Complete forend
- Complete barrel

### **Complete Case**

this consists of the butt stock and the receiver, connected by a bolt. The breech, firing and trigger mechanisms are laid in the receiver. The breech mechanism consists of barrel pins, and a bolt handle-operated locking latch, and when open, the locking latch is locked with a breech catch. In the closed position, the barrel is matched together with the receiver to the butt plate and side protrusions. This complete set-up is locked by a locking latch. The firing and trigger mechanisms consist of cocking levers, hammers, trigger levers, release lug. Hammers are placed on a pin. Cocking follows the barrel movement when breaking the gun. The safety catch is situated on the crown of the receiver, works in an automatic, derived from bolt handle movement, and locks the trigger. Control of the crown bolt handle and the butt stock itself are modified for left handed shooters.

### **Complete Forend**

this consists of the assembled bar and forend. The barrel band supports the barrel pair and when breaking the gun, it pushes the cocking levers of the striking mechanism.

### **Complete Barrel**

#### Model BO 801

the barrel pair consists of two independent barrels soldered into a casing assembly, soldered with a central bar in the front part. The forend hook is soldered to the lower barrel. The aiming rib is soldered to the upper barrel. The casing assembly side walls houses ejectors mechanism. The ejectors function closely relates to the cocking levers position.

#### Model BO 802

the barrel pair consists of two independent barrels soldered into a casing assembly, soldered with a central bar in the front part. The forend hook is soldered to the lower barrel. The rear sight is on the upper bar, the front sight is situated on an independent base.

#### Model BO 803

the barrel set consists of two self-supporting barrels soldered into the collar, interconnected by adjustable span pieces for ensuring their grouping. The forend hook is soldered to the bottom barrel. The rear sight is mounted on the rib, the front sight is located on the separate base.

## Interchangeable Barrels

optionally, the BO 802 gun can be equipped with additional interchangeable shotgun barrels either in the delivery or upon request. Interchangeable rifle barrels can be delivered as well. Inter changeable barrels must be mounted by an authorized company and presented for work piece certification.

Parts of the gun system are made of construction steel and are heat-treated. The surface is protected by alkaline oxidation. The gunstock and front stock are made of walnut and are varnished. Gripping parts are equipped with dovetailing.

## OPERATING INSTRUCTIONS

### Utilisation of 12 gauge shells calibres 12x76 with steel shots

Model	Barrel	Choke tube type	Choke tube diameter [mm]	Steel shot diameter	Proof mark	Barrel description	
BO 801.1	Over	Fixed	17,6	4 mm max.	Lily	Steel shot	
	Under		17,8				
BO 801.2	Over	Inter-changeable	SKEET	18,49			4 mm max.
			IC	18,36			
	Under		MOD	18,11			4 mm max.*
			FULL	17,86			
BO 801.5	Over	Fixed	17,6	4 mm max.			
	Under		17,8				
BO 802	Over	Fixed	17,6	4 mm max.			

\* valid for over and under barrel

## Several Principles of Firing

- Before you start shooting, you must clean the gun's surfaces, including both cartridge chambers and inner surfaces of barrels, and make sure everything is dry
- use good-quality, non-corroded cartridges only
- do not use cartridges that have been dropped and are dirty
- always wear suitable ear protectors and eyeglasses when shooting
- do not fire an over-oiled gun
- when firing a single pellet fixed chokes meet CIP regulations for cartridges designed for smooth bore and choke min. Ø 17,6 mm
- resistance of the preloaded double set trigger is adjusted during production to 1,2 - 3,2 N, the adjustment screw is fixed by a centre punch. **We do not recommend** self-adjustment outside this range.

## Gun Loading

Using your right thumb, push the bolt handle to the right and by pushing the barrels down with your left hand you break the gun (Fig. 1). When the gun is being broken, the barrel band pushes the cocking levers and the striking mechanism is cocked. The gun must be home broken. When the gun is broken, the bolt handle is kept in the open position with a breech catch of locking latch. The safety catch is automatically shifted into the locked position. Insert cartridges into the chambers of the corresponding barrels and shut the gun. With this movement the breech catch releases the locking latch, which will then lock the barrels. The double-barrelled gun is fully locked if the bolt handle is positioned at right angles to the barrel muzzles. If the locking latch is held by the breech catch, it is not possible to unlock the gun.

## The Safety and its Operation

You unlock the gun by shifting the safety catch forward (Fig. 2); an orange dot appears and having aimed, you fire the gun by pulling the trigger.

### Model BO 801

After first shooting release the trigger in forward direction so that the releasing latch is shifted under the other trigger handle. The single trigger mechanism is automatic. If you fire a cartridge in one barrel only, the other barrel can be locked by shifting the lock backwards. Replace spent cartridges with new ones by opening and breaking the shotgun. The ejectors pull the empty cartridge out of the chambers. When you have finished firing, disassemble the shotgun and clean it.

### Model BO 802

The front trigger can be used with cocking. With the shotgun on safe, push the back of the trigger latch forward until the trigger snaps in (Fig. 3). After unlocking and aiming, fire by pulling the trigger slightly. If you want to cancel cocking, check the shotgun lock and pull the trigger slightly. When firing with the back trigger, the front trigger must not be cocked. The front trigger is used for firing the lower, rifle barrel; the back trigger is used for firing the upper, shotgun barrel. If you fire a cartridge in one barrel only, the other barrel can be locked by shifting the lock backwards. Replace spent cartridges with new ones by opening and breaking the shotgun. The ejectors pull the empty cartridge out of the chambers. When you have finished firing, disassemble the shotgun and clean it.

### Model BO 803

Control of the rifle is the same as in the BO 802 type.

### **Left-handed Modification**

It is possible to modify a gun on site at the customer's (in a special workshop) when the bolt handle and butt stock have been ordered.

Break down the gun into three parts. Remove the butt stock. Remove the safety catch button with liner from the receiver system. Release the front plate screws and remove the firing pins with springs and the repulsing spring with button. Mark the firing pins (upper, lower), release the side bolt handle screw and remove the original handle. Push in a new handle and screw the lock screw from the opposite side. Insert the repulsing spring with a button into the right hole, assemble the firing pins and the front plate. Insert the safety catch button into the groove in the opposite side and fix with the liner. Assemble the left hand butt stock.

## **MAINTENANCE INSTRUCTIONS**

### **Gun Disassembly**

Push away the forend latch on the unloaded and locked gun (Fig. 4) and at the same time, push the forend slightly towards the barrels. Remove the forend from barrels (Fig. 5).

Hold the receiver in your right hand and the barrels in your left. Pressing the bolt handle, unlock the breech mechanism. Turn the barrels around the pin. When you have turned them by about 45°, it is possible to pull the barrels out of the pin (Fig. 6).

### **Gun Assembly**

Turn the bolt handle to the open position until the breech catch of locking latch snaps in. If the striking mechanism is released, the protruding firing pins are retracted. Lay the barrels in the receiver and slip them on the pin, by turning the barrels you close the gun, and the breech catch releases the locking latch, which will lock the gun (Fig. 7). It is not possible to lay the barrels in the receiver without the bolt handle arrested.

Fit the forend on the front receiver surface and slide on the case guide surfaces, using a rotary movement push towards the barrels (Fig. 8). A latch snaps down under the forend hooks. To check correct assembly, break and shut the shotgun once again.

### **Cleaning the Gun**

In principle, the barrel should be cleaned from the cartridge chamber towards the muzzle, with a soft wiper using hemp, cotton wool or soft cotton textile. You should use only brand name cleaning and preservation agents intended for guns.

The bore and the chamber should be cleaned immediately after shooting has finished. If you find a layer of lead in the barrels, it is possible to remove it using a spiral steel brush.

Wipe the gun surfaces dry and rub in a thin layer of oil. Preserve the butt stock and the forend with a special wood-protecting agent.

Frequent and proper cleaning extends the shotgun's service life. Keep the double-barrelled gun in a dry place in order to avoid alternating moisture condensation and thus degradation of wooden and steel parts.

If you do not use the gun very often, check it at least once a month and retreat with oil, etc.

If you do not use the double-barrelled gun, release the striking mechanism using the cartridges specially designed for this purpose.

It is recommended to grease the sliding surfaces of the ejectors and forend with gun grease. It is not recommended to clean the gun with metal brushes. After fouling has been removed, use only soft (wooden, plastic) tools.

It is recommended to have the gun checked and cleaned by a special workshop once a year. The manufacturer is not responsible for guns repaired by the owners themselves.

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

## TECHNICAL SPECIFICATIONS

Model	BO 801	BO 802.1 BO 802.2 BO 802.3 BO 802.4 BO 802.5 BO 802.6 BO 802.7 BO 802.8 BO 802.9 BO 802.10	BO 803.1 BO 803.3 BO 803.7 BO 803.8 BO 803.10
Caliber	12 / 12	12 / 8x57 JRS 12 / 7x57 R 12 / 7x65 R 12 / 6,5x55 SE 12 / 6,5x57 R 12 / .243 Win. 12 / 9,3x74 R 12 / .308 Win. 12 / .222 Rem. 12 / .30-06	8x57 JRS / 8x57 JRS 7x65 R / 7x65 R 9,3x74 R / 9,3x74 R .308 Win. / .308 Win. .30-06 / .30-06
Overall Length [mm]	1140	1045	1045
Barrel Length [mm]	700	600	600
Sights Radius [mm]	-	400	400
Choke - bottom barrel - upper barrel [mm]	Ø 17,6	- Ø 17,6	-
Weight [kg]	3,25	3,35 - 3,55 *	3,45 - 3,65 *

\* depends on caliber

## LIST OF ILLUSTRATIONS

1. Gun loading
2. Setting safety to the "Safety-off" position
3. Set-trigger activation
4. Pushing away the forend latch
5. Removing forend
6. Gun disassembly
7. Gun assembly
8. Forend re-assembly





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