

**NÁVOD NA POUŽITÍ
INSTRUCTION MANUAL
BEDIENUNGSANLEITUNG**

BRNO COMPETITION



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/under shotguns BRNO TRAP Competition and BRNO SKEET Competition are destined to sports shooting with cartridges of caliber 12 which correspond to a 70 mm or 76 mm chamber as well as to the requirements of the CIP. The length of the chamber is indicated by the side of the barrel nut. Depending on the proof mark it is possible to use both leaden and steel pellet cartridges.

The double-barrelled gun consists of these main groups:

- Complete case
- Complete forend
- Complete barrel
- Interchangeable choke sets with an assembly key

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, it is hand-controlled, 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

The barrel nut consists of two self-supporting barrels screwed together into a bundle and soldered on the muzzle by means of the front desk. The forend hook is soldered to the lower barrel. The bearing plate is soldered to the upper barrel and in its front part there is an optical-fibre front sight. The ejector mechanisms are located at the sides of the nut. Their function is based upon the position of the tensioning levers. The muzzles of the barrel bores are provided with cavities which have threads that serve to screw on the interchangeable chokes.

Interchangeable Barrels

It is possible to supply the over/under shotgun with other interchangeable shotgun barrels. Interchangeable 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 receiver is protected by nitridation. The safety and the trigger are protected by titanium nitride. 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	
TRAP & SKEET	Over	Inter-change-able	SKEET	18,49	4 mm max.	Lily	Steel shot
			IC	18,36			
	Under		MOD	18,11	4 mm max.*		
			FULL	17,86			

* 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
- in order screw up the interchangeable chokes inside the barrel use the assembly key

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. 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.

The Safety and its Operation

In order to secure the weapon push the safety backwards (Fig. 2). You unlock the gun by shifting the safety catch forward; an orange dot appears and having aimed, you fire the gun by pulling the trigger.

The Trigger and its Operation

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.

The trigger is set in the medium position from the factory. In case the shooter's hand is shaped differently it is possible to move the trigger 2.5 mm backwards or 5 mm forwards. This can be done by loosening the two inbus screws (Fig. 3) with the help of the enclosed key.

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. As far as the outlying ejectors located on the independent barrel are concerned it is necessary to push them and catch them with the help of the sliders situated by the side of the barrel nut. It is not possible to insert the barrels into the receiver unless the knot has been caught.

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.

After you finish shooting unscrew the interchangeable chokes and clean them. Clean also the cavity of the barrel muzzles. Before screwing the interchangeable choke up lubricate its thread with a gun oil.

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.

The Spare Parts Set/Accessories

The shotgun BRNO Competition is supplied with optional spare parts sets/accessories.

The basic set - supplied to each weapon:

- 2 pcs of the striker spring
- 2 pcs of the striker
- 1 pc of the key for the removal of the front desk (the exchange of the striker)
- 1 pc of the key for the adjustable trigger
- 1 pc interchangeable chokes set (4 pcs)
- 1 pc interchangeable chokes key

Optional set - charged:

- The basic set
- 1 pc of interchangeable chokes set (4 pcs)
- 2 pcs of ejectors (match-fitted to the weapon)

TECHNICAL SPECIFICATIONS

Model		TRAP	SKEET
Caliber		12x70 / 12x70	12x70 / 12x70
Overall Length	[mm]	1200	1050
Barrel Length (without / with the interchangeable chokes)	[mm]	760 / 783	710 / 733
Interchangeable chokes set		FULL, MOD, IC, SKEET	FULL, MOD, IC, SKEET
Weight	[kg]	3,35	3,25

LIST OF ILLUSTRATIONS

1. Gun loading
2. Securing of the weapon
3. Adjusting of the trigger
4. Pushing away the forend latch
5. Removing forend
6. Gun disassembly
7. Gun assembly
8. Forend re-assembly





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