



CBJ MS



The modern battlefield can change quickly from the confines of urban warfare to combat in open terrain or thickly wooded conditions.

The soldier needs to carry more equipment than ever before without losing the ability to move and run. This drives the need for a smaller and lighter weapon, with increased firepower.



For the man in action this requires a weapon that can take on the roles of personal defence, assault and light support.



To meet these requirements, CBJ Tech AB has developed the CBJ MS.



This modular system, for use in most military assignments as well as operations other than war, can be fitted with all types of modern force multipliers like optical sights, laser designators, sound suppressors etc.

The CBJ MS weapon family

The modern weapon, CBJ Modular System, is the most versatile on the market. It can take on many different roles depending on its configurations.



Personal Defence Weapon

As a personal defence weapon it is very suitable for commanders, car drivers, pilots, medical orderlies, machine gunners and support personnel.

The weapon's small size and low weight allows for prolonged carrying at high firing readiness. All normally tiring movements with the weapon at high readiness are simplified.



Light Assault Weapon

The light assault weapon will serve well with fighting personnel in offensive combat like riflemen, Light Antitank Weapon gunners and gun crews. Here, an extra magazine has been inserted into the front grip for rapid reload.



Light Support Weapon

In the light support weapon configuration the CBJ MS is effective in defensive positions and ambush situations. The bipod and 100 rounds magazine enables the CBJ MS to provide very stable continuous fire at full combat ranges.

CBJ MS Features

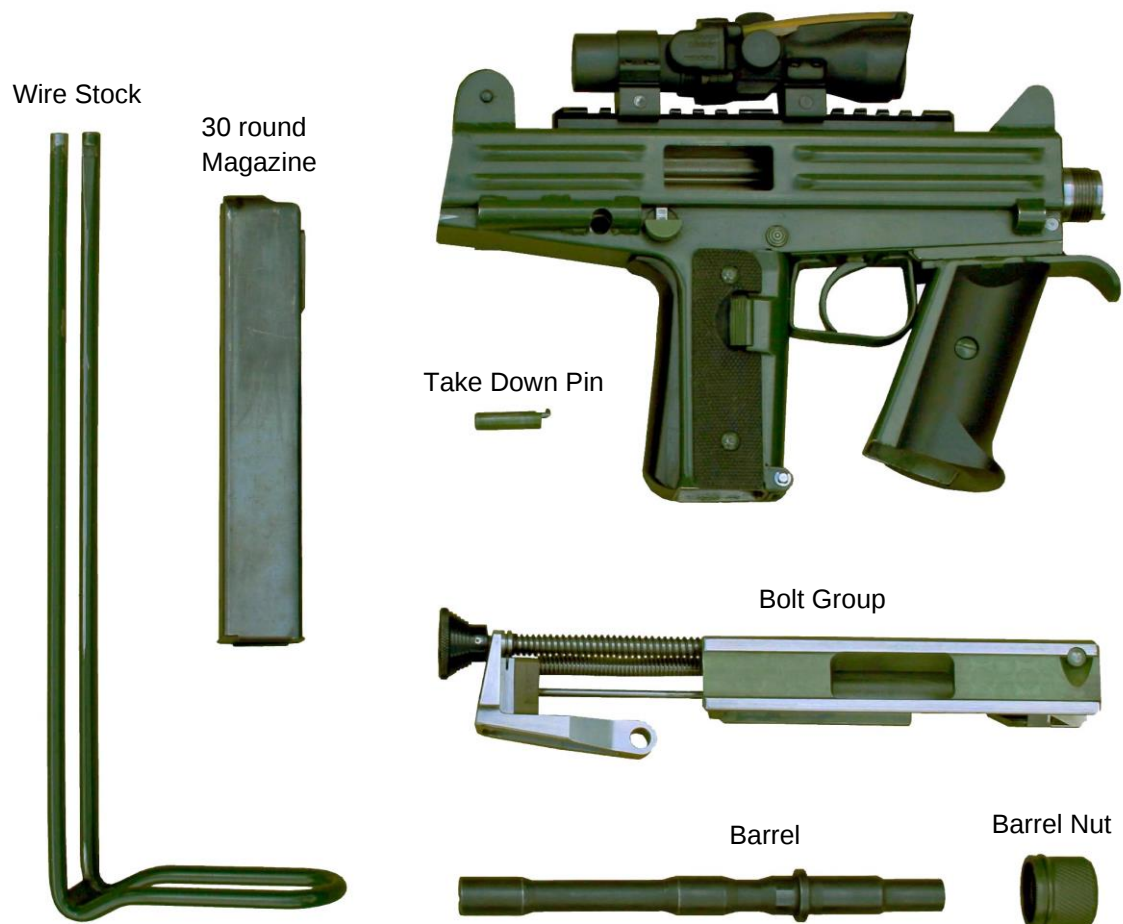
The CBJ MS is a blowback operating weapon that fires from an open bolt. The weapon's good ergonomics, advanced priming ignition, low rate of fire and mechanical design of the bolt gives very good stability when firing, especially during burst- and fully automatic firing. The rugged simple design makes it extremely reliable. All parts in the weapon are made of stainless steel or polymers. This makes the weapon very resistant to corrosion, not only from salt water, but also from chemical agents used for decontamination.



Operation principle	Blowback, open bolt with fixed firing pin	Practical combat range 9 mm Parabellum	200m
Caliber	9mm Parabellum	Length retracted 9 mm Parabellum	333mm
Type of fire	Selective by trigger: semi- /full auto	Length extended 9 mm Parabellum	535mm
Cyclic rate of fire approx.	700rpm	Length barrel 9 mm Parabellum	170mm
Magazine capacities	20, 30 and 100 rounds	Width	44mm
Safety systems	Manual safety and grip safety	Weight unloaded	2800g
Front sight	Post type adjustable for elevation	Weight loaded (30 rounds)	3350g
Rear sight	3 positions aperture, adjustable for windage		
Night sight	Tritium (Beta) light in front sight		



The CBJ Modular System can easily be equipped with most kinds of accessories like optical sights, bipod, tactical lights, case catcher, sound suppressors etc. None of these or other pieces of equipment attached to the weapon will conflict with handling or stripping. Different carrying slings (not shown in the picture) can easily be attached.



For normal cleaning, the weapon breaks down in seven parts within seconds and without the use of any tools. The trigger housing with the front grip optionally still attached, can also be removed for easier access to the firing mechanism and the receiver, when a more thorough cleaning is needed.



In built up areas the infantryman increases his firepower and hit probability using the CBJ MS as a light support weapon. The bipod and 100 round magazines can be issued to any soldier in the unit.

In urban warfare the CBJ MS enhances manoeuvrability and rapid target engagement. The compact size and low recoil give the soldier increased firepower using single shots and controlled bursts.



In any military operation the CBJ MS, which is fully ambidextrous and one hand operable, is the weapon to increase confidence and give the man in action the ability to defeat the enemy and complete his mission.



In close defence situations, confined spaces or close support operations the CBJ MS is the most reliable weapon available.

CBJ MS Facts



The new weapon system CBJ MS is designed in accordance with the most modern production methods and should be considered more as a highly flexible weapon system than a simple firearm. The main characteristics of the basic weapon can be summarized as follows:

STABLE: The receiver, including the lower receiver and the magazine housing, is formed from one single stamping. This part is shaped to ensure good stability even when a number of auxiliary pieces of equipment are attached. All important elements such as the barrel, sights, wire stock, magazine housing, and trigger mechanism are fitted to the same solid base - the receiver. The receiver itself has no weakening groove for a bolt handle, which is common on conventional submachine guns.

RELIABLE: The receiver is well sealed and the bolt rides only on its four corners, leaving plenty of space for dirt, powder residues, etc., that may build up. This ensures full use of the weapon even in the most adverse conditions. One important part of the weapon is the well reputed Carl Gustaf magazine, here well supported through the whole length of the pistol grip. The barrel is effectively supported at both ends in the receiver. This guarantees a retained point of impact even after the weapon has been taken apart.



SAFE: The grip safety, which forms the whole front strap of the pistol grip, is the simplest and safest to use, when compared with all other known models, and it acts directly on the sear that blocks the bolt in either cocked or forward position.

The manually operated safety blocks the grip safety in its forward and engaged position when pushed to safe. The weapon can instantly and silently be toggled between safe and fire with the shooting hand (left or right). The weapon can consequently be carried fully safe, but with a high degree of readiness. Cook off is completely eliminated as the weapon fires from the open bolt position.



The bolt, with its deeply recessed bolt face, surrounds the cartridge case effectively when extracted - a safety factor in case of a ruptured cartridge case. The weapon has no outside moving parts that can harm, snag or distract the shooter. This also means that firing cannot be prevented by an enemy gripping the receiver, as there is no conventional bolt handle to block.

Switching between full- and semi-automatic fire is controlled by the two step trigger. The first step gives semi-automatic fire, and the second step full automatic fire.

SIMPLE: The weapon is easy to manufacture as the incorporated parts are made by modern production methods like metal stamping, investment casting, cold rolling of steel profiles, etc.

The weapon is easy to maintain as it is designed in modules and the parts are manufactured to such high tolerances that they are easily replaceable and completely interchangeable between different weapon individuals.

Field stripping for cleaning or inspection can be done within seconds without the use of tools.

The simple and efficient wire stock can be pulled out with a swift hand movement, and snaps automatically into position with help from the wire stock catch. It can also easily be taken out and used as a cleaning rod for the barrel.



ADDITIONAL QUALITIES: The weapon remains very steady when fired, as it is well balanced, has a well adjusted weight, relatively low rate of fire and a deeply recessed bolt face, which creates a downward momentum of the muzzle when firing.

The symmetrical position of the sling swivels makes the weapon hang comfortably straight down on the chest or on the back, both for left hand and right hand users. With the wire stock retracted there are even more ways to carry it.

The carefully designed grips help the weapon to fall into a natural aiming position.

The front sight is adjustable for elevation and the rear sight for windage. All without the aid of any tools. The rear sight has three preset apertures.

On top of the receiver a Picatinny rail is fitted, on which most common optical sights and other equipment can be mounted. None of the above mentioned or other pieces of equipment attached to the weapon will conflict with handling or stripping.

Safeties, magazine catch, wire stock catch, etc., can easily be operated without changing grip by either left- or right handed shooters. The uniquely designed bolt handle is easily operated by the supporting hand (left or right) without the risk of losing the grip, even when thick gloves are worn.

The magazine capacities are 20, 30 and 100 rounds. The 20 round magazine ends in line with the pistol grip.

An extra magazine can be inserted into the front grip to increase reload speed.





Technical specifications and numerical data are given as an indication only and are of no contractual nature, as all items are still under development.