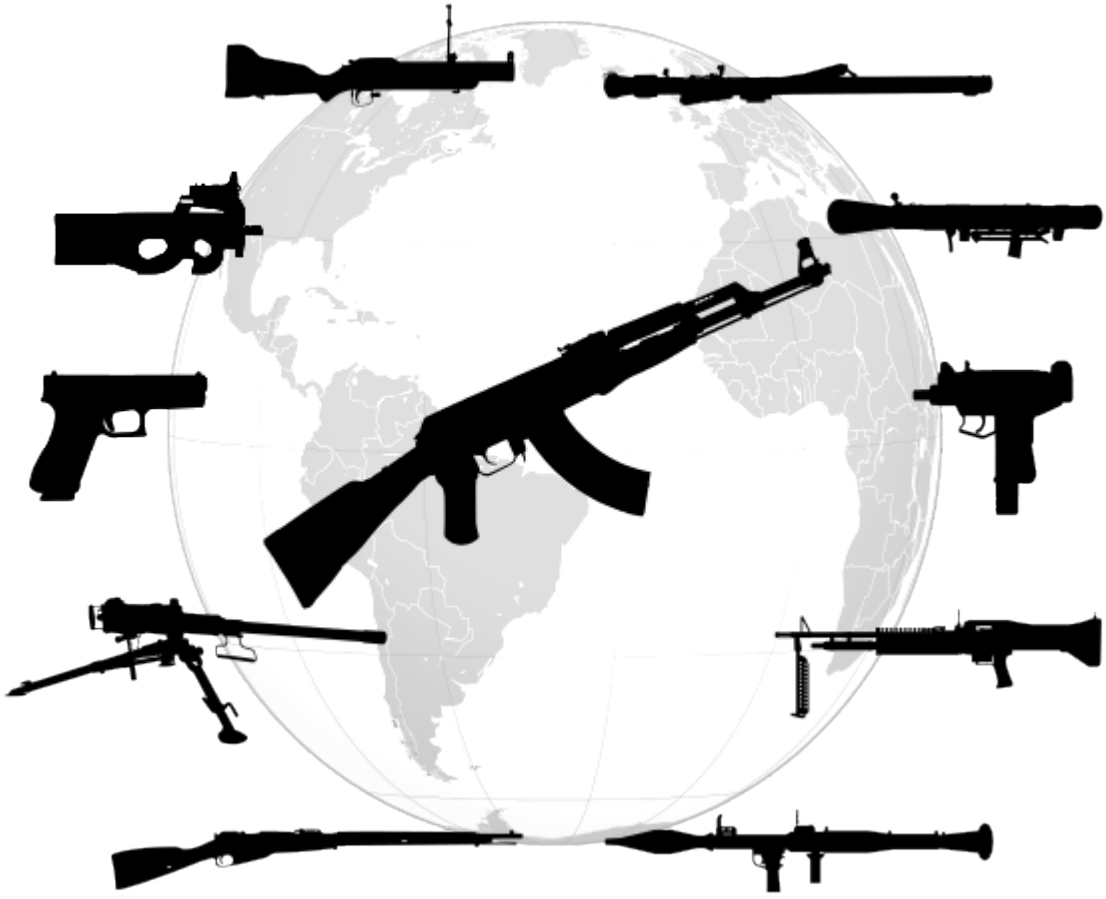
bicc Bonn International Center for Conversion

Bundeswehr Verification Center

SALW Guide

Global distribution and visual identification



France

Country report

https://salw-guide.bicc.de

Weapons Distribution

The following list shows the weapons which can be found in *France* and whether there is data on who holds these weapons:

Beretta 92/ 92 FS		G
Beretta M 12		G
Browning M 2		G
CZ Scorpion		G
FAMAS F1		G
FN Herstal FN MAG		G
FN High Power		U
FN MINIMI		G
FN P90		G
Glock 17		U
HK G3		G
HK G36		G
HK MP5		G
Lee-Enfield SMLE		U
M1918 Browning		U
M1919 Browning		G
M203 grenade launcher		G

MAS 49		U
MAS 49/56		U
MAT 49		G
MBDA MILAN		G
MG 3 / MG 42		U
Mauser K98		N
Mosin-Nagant Rifle Mod. 1891		U
PPSH 41		G
Ruger Mini-14		G
SIG SG540		G
SIG SG550		G
Saab AT4		G
Sten gun		G N
Sterling L2A3		U
Thompson M1928		G
UZI		G

Explanation of symbols

	Country of origin
	Licensed production
	Production without a licence
G	*Government*: Sources indicate that this type of weapon is held by Governmental agencies.

N	*Non-Government*: Sources indicate that this type of weapon is held by non-Governmental armed groups.
U	*Unspecified*: Sources indicate that this type of weapon is found in the country, but do not specify whether it is held by Governmental agencies or non-Governmental armed groups.

It is entirely possible to have a combination of tags beside each country. For example, if country X is tagged with a G and a U, it means that at least one source of data identifies Governmental agencies as holders of weapon type Y, and at least one other source confirms the presence of the weapon in country X without specifying who holds it.

Note: This application is a living, non-comprehensive database, relying to a great extent on active contributions (provision and/or validation of data and information) by either SALW experts from the military and international renowned think tanks or by national and regional focal points of small arms control entities.

Beretta 92/ 92 FS

In 1976, the Beretta 92 entered into production. Since then, a large number of model variations and variants with different calibres have been produced. The Beretta 92 was adopted by several armed forces and law-enforcement agencies, such as those in Chile and Egypt. In 1985, the Beretta Model 92SB-F (also known as the US M9) was selected as the primary US military side-arm.

Category	*Self-Loading Pistols & Revolvers*
Operating system	short-recoil, single or double action
Cartridge	9mm Parabellum (9 x 19mm)
Length	217 mm
Feeding	detachable, double-column box magazine

Beretta 92

left view

Beretta 92

right view

Beretta 92

top view

Beretta 92

bottom view

Beretta 92

090/md-01-300w.jpeg

marking details: Pietro Beretta Gardonne V.T. - Made in Italy. PB. C61066Z

Beretta 92

090/md-02-300w.jpeg

marking details: Mod. 92 F - Cal.9 Parabellum - Patented

Beretta 92

090/ws-01-300w.jpeg

weapon specifics

The following ammunition can be used by the **Beretta 92/ 92 FS**:

9mm Parabellum (9 x 19mm)

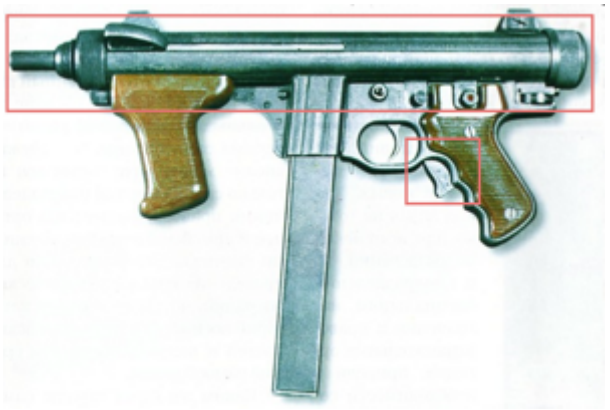
Bullet diameter	9 mm
Case length	19.15 mm
Overall length	29.69 mm

Beretta M 12

The weapon has three safeties: a manual safety which blocks the trigger; an automatic safety on the rear grip which immobilizes the trigger and blocks the bolt in a closed position; and a safety on the cocking handle locking the bolt in case it does not retract sufficiently. The short length of the Beretta is achieved by use of a barrel recessed into the bolt head, known as a telescoping bolt. This reduces length without reducing barrel length or bolt weight.

Category	*Submachine Guns*
Operating system	Blowback operated, selectively-fired, fires from open bolt
Cartridge	9mm Parabellum (9 x 19mm)
Length	418 mm
Feeding	Box magazine

Beretta M 12

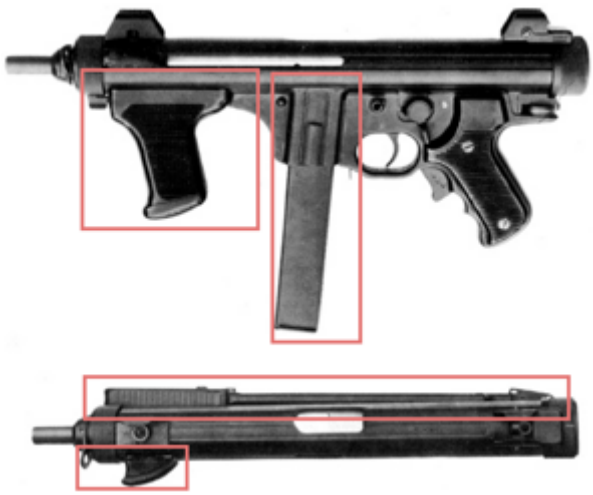


left view

Beretta M 12

left view

Beretta M 12



weapon specifics, top view shows folding stock

The following ammunition can be used by the **Beretta M 12**:

9mm Parabellum (9 x 19mm)

Bullet diameter	9 mm
Case length	19.15 mm
Overall length	29.69 mm

Browning M 2

The Browning .50 caliber machine gun has been used extensively as a vehicle weapon and for aircraft armament. The M2 fires from a closed bolt, operated on the short recoil principle. Nearly 5 million items were produced.

Category	*Heavy Machine Guns*
Operating system	Fires from a short bolt, operated on the short recoil principle
Cartridge	12.7 x 99 mm NATO (.50BMG)
Length	1650 mm

Feeding	Belt

Type: Browning M2HB-QCB

left view, Browning M2HB-QCB air-cooled machine gun of current manufacture with quick-change barrel, on M3 tripod

Type: Browning M2HB

right view, Browning M2HB air-cooled machine gun on M3 tripod

Type: Browning M2E2

weapon specifics, Browning M2E2 new Browing modification with quick-change barrel

The following ammunition can be used by the **Browning M 2**:

12.7 x 99 mm NATO (.50BMG)

Bullet diameter	13 mm
Case length	99 mm
Overall length	138 mm

NO IMAGE

CZ Scorpion

The latest CZ Scorpion (also written Skorpion) EVO 3 sub-machine gun entered into production in 2009 and obtained its name from the original CZ Skorpion 1961 model. Despite its name, the EVO 3 is mechanically unrelated to the Skorpion Vz. 61. Originally, it was marketed as a Personal Defence Weapon (PDW), such as the FN P90, but its calibre and overall size

classifies the EVO 3 as a sub-machine gun. Several models, changes and improvements have been introduced into the broader CZ Scorpion-family. Many machine gun models of the CZ Scorpion, which are designed to be fired by a single hand, provide single shots or automatic fire and can be fitted with a suppressor. Different CZ Scorpion variants are still produced and available for export sale.

Category	*Submachine Guns*
Operating system	blow-back, selective-fire
Cartridge	7.65 x 17 mm SR (.32 ACP) 9mm Makarov (9.2 x 18mm) 9mm Parabellum (9 x 19mm) 9x17 mm (.380 ACP)
Length	517 mm
Feeding	detachable, double-column box magazine

CZ Scorpion

left view, stock retracted

CZ Scorpion

left view, stock extended

CZ Scorpion

right view

CZ Scorpion

top view

CZ Scorpion
092/md-01-300w.jpg
marking details

CZ Scorpion
092/ws-01-300w.jpg
weapon specifics

The following ammunition can be used by the **CZ Scorpion**:

7.65 x 17 mm SR (.32 ACP)

Bullet diameter	7.94 mm
Case length	17.3 mm
Overall length	25 mm

NO IMAGE

9mm Makarov (9.2 x 18mm)

Bullet diameter	9.27 mm
Case length	18.1 mm
Overall length	25 mm

9mm Parabellum (9 x 19mm)

Bullet diameter	9 mm
Case length	19.15 mm
Overall length	29.69 mm

9x17 mm (.380 ACP)

Bullet diameter	9 mm
Case length	17.3 mm
Overall length	25 mm

NO IMAGE

FAMAS F1

The FAMAS (Fusil d'Assaut de la Manufacture d'Armes de Saint-Étienne) F1 bullpup rifle was developed in France in the late 1960s and entered into service with the French armed forces in 1975. More than 400,000 units have been produced. It remains the service rifle of the French military, though production of the FAMAS F1 ceased in 2000.

Category	*Assault Rifles*
Operating system	delayed-blowback, selective-fire and 3rd burst facility
Cartridge	5.56 x 45mm / .223 Remington
Length	757 mm
Feeding	detachable box magazine

Famas F1

left view

Famas F1

left view

Famas F1

left view

Famas F1

right view

Famas F1

101/md-01-300w.jpg

marking details

Famas F1

101/ws-01-300w.jpg

weapon specifics

Famas F1

101/ws-02-300w.jpg

weapon specifics

Famas F1

101/ws-03-300w.jpg

weapon specifics

The following ammunition can be used by the **FAMAS F1**:

5.56 x 45mm / .223 Remington

Bullet diameter	5.7 mm
Case length	44.7 mm
Overall length	57.4 mm

FN Herstal FN MAG

The Belgian FN MAG (Mitrailleuse d'Appui Général, meaning general-purpose machine gun) entered into production in 1958. It is one of the most widespread machine gun designs and is used in more than 90 countries around the globe. It is still manufactured in Belgium and produced under license in several countries including Argentina, Egypt, the US and the UK. It can be carried by infantry and is usually fired while mounted on a tripod.

Category	*Heavy Machine Guns*
Operating system	gas, automatic
Cartridge	7.62 x 51mm / .308 Winchester
Length	1260 mm
Feeding	disintegrating metal link belt

The following ammunition can be used by the **FN Herstal FN MAG**:

7.62 x 51mm / .308 Winchester

Bullet diameter	7.82 mm
Case length	51.18 mm
Overall length	69.85 mm

FN High Power

The High Power is one of the most widely used military pistols of all time, having been used by the armed forces of over 50 countries. The pistol is often referred to as an HP (for "Hi Power" or "High Power") or as a GP (for the French term, "Grande Puissance"). Technically, the High Power pistol, also known as Browning HP 35, GP 35 or Model 1935, is a recoil operated, locked breech pistol. It uses linkless barrel to slide locking invented by Browning. The trigger is single action, with external hammer. Original HPs featured frame mounted safety at the left side of the frame, that locks both sear and slide. Modern versions, since Mark II, also featured ambidextrous safety levers, that are also more comfortable to operate.

Category	*Self-Loading Pistols & Revolvers*
Operating system	Short recoil operated, locked breech, single action
Cartridge	.40 S&W 9mm Parabellum (9 x 19mm)
Length	200 mm
Feeding	Box magazine

FN High Power

left view

FN High Power

right view

FN High Power

right view

FN High Power

marking details

FN High Power

weapon specifics

The following ammunition can be used by the **FN High Power**:

.40 S&W

Bullet diameter	10.2 mm
Case length	21.6 mm
Overall length	28.8 mm

9mm Parabellum (9 x 19mm)

Bullet diameter	9 mm

Case length	19.15 mm
Overall length	29.69 mm

FN MINIMI

The development of the Belgian FN Herstal MINIMI began in the early 1960s, but it did not enter into production until 1982. Since then, the MINIMI light machine gun has been in service in more than 35 countries including in the armies of the US and the UK. The gas-operated MINIMI is one of the most widely used guns in its class and caliber. It is usually belt fed and fired from a bipod, but it can also be fed by magazine and mounted on a tripod.

Category	*Light Machine Guns*
Operating system	gas, automatic only
Cartridge	5.56 x 45mm / .223 Remington 7.62 x 51mm / .308 Winchester
Length	1040 mm
Feeding	disintegrating metal link belt or box magazine (M16 type)

FN Minimi

left view

FN Minimi

left view

FN Minimi

left view

FN Minimi

right view

FN Minimi

top view

FN Minimi

116/md-01-300w.jpg

marking details

FN Minimi

116/ws-01-300w.jpg

weapon specifics

FN Minimi

116/ws-02-300w.jpg

weapon specifics

FN Minimi

116/ws-03-300w.jpg

weapon specifics

The following ammunition can be used by the **FN MINIMI**:

5.56 x 45mm / .223 Remington

Bullet diameter	5.7 mm
Case length	44.7 mm
Overall length	57.4 mm

7.62 x 51mm / .308 Winchester

Bullet diameter	7.82 mm
Case length	51.18 mm
Overall length	69.85 mm

FN P90

A personal defense weapon (often abbreviated PDW) is a compact semi-automatic or fully-automatic firearm similar in most respects to a submachine gun, but firing an (often proprietary) armor-piercing round, giving a PDW better range, accuracy and armor-penetrating capability than submachine guns, which fire pistol-caliber cartridges.The P90 was designed to have a length no greater than a man's shoulder width, in order to be easily carried and maneuvered in tight spaces, such as the inside of an armored vehicle. To achieve this, the weapon's design utilizes the unconventional bullpup configuration, in which the action and magazine are located behind the trigger and alongside the shooter's face, so that there is no wasted space in the stock. The P90's dimensions are also minimized by its unique horizontally mounted feeding system, wherein the box magazine sits parallel to the barrel on top of the weapon's frame. Overall, the weapon has an extremely compact profile.

Category	*Submachine Guns*
Operating system	Straight blowback, closed bolt
Cartridge	FN 5.7 x 28mm
Length	500 mm
Feeding	n/a

FN P90

left view

FN P90

right view

FN P90

044/md-01-300w.png

marking details

FN P90

044/md-02-300w.png

marking details

The following ammunition can be used by the **FN P90**:

FN 5.7 x 28mm

Bullet diameter	5.7 mm
Case length	28.83 mm
Overall length	40.5 mm

NO IMAGE

The FN 5.7×28mm is a small-caliber, high-velocity cartridge designed and manufactured by FN Herstal in Belgium. It is a bottlenecked centerfire cartridge that is somewhat similar to the .22 Hornet or .22 K-Hornet. The 5.7×28mm was developed in conjunction with the FN P90 personal defense weapon (PDW) and FN Five-seven pistol, in response to NATO requests for a replacement for the 9×19mm Parabellum cartridge. By 2006, FN's 5.7×28mm firearms—the P90 personal defense weapon and Five-seven pistol—were in service with military and police forces in over 40 nations throughout the world. In the United States, 5.7×28mm firearms are currently used by numerous law enforcement agencies, including the U.S. Secret Service.

Glock 17

Several modified versions of the Glock 17 have also been introduced. The Glock 17C incorporated slots cut in the barrel and slide to compensate for muzzle rise and recoil. The Glock 17L incorporates a longer slide and extended barrel. Initially, the Glock 17L had three holes in the top of the barrel and a corresponding slot in the slide; however, later production pistols lack the holes in the barrel. The Glock 17MB is a version with ambidextrous magazine catch. Glock pistols are designed with three independent safety mechanisms to prevent accidental discharge. The system, designated "Safe Action" by Glock, consists of an external integrated trigger safety and two automatic internal safeties: a firing pin safety and a drop safety. The external safety is a small inner lever contained in the trigger.

Category	*Self-Loading Pistols & Revolvers*
Operating system	short recoil-operated, locked breech
Cartridge	9mm Parabellum (9 x 19mm)
Length	186 mm
Feeding	Box magazine

Generation 2 Glock 17

Generation 2 Glock 17, this model added finger stepping and cuts to the backstrap of the frame to make it easier to hold than the Generation 1 model.

Generation 3 Glock 17

Generation 3 Glock 17, with finger grooves, thumb reliefs, and accessory rail on the frame, which differentiate it from the older model.

Glock 17C

left view

Glock 17

A Generation 2 Glock 17 with Generation 3 grip

Glock 17L

left view

Glock 17

left view

Generation 1 Glock 17

right view

Glock 17

marking details

Glock 17

marking details

Glock 17

marking details

The following ammunition can be used by the **Glock 17**:

9mm Parabellum (9 x 19mm)

Bullet diameter	9 mm
Case length	19.15 mm
Overall length	29.69 mm

HK G3

The G3 constructed from Heckler & Koch (H&K) in cooperation with a Spanish agency Centro de Estudios Técnicos de Materiales Especiale (CETME) in the beginning Model A & B, after further development, West German Army (Bundeswehr) implemented this rifle. The furniture can be wood or plastic. The plastic stock may be green, sand or black. There is also a collapsing stock. The rifle is hammer fired and has a trigger mechanism with a 3-position fire selector switch that is also the manual safety toggle that secures the weapon from accidentally discharging.

Category	*Assault Rifles*
Operating system	Roller-delayed blowback
Cartridge	7.62 x 51mm / .308 Winchester
Length	1023 mm
Feeding	Box magazine

Type: G3 A1

left view

Type: G3 A3

left view

Type: G3 A3ZF

left view

Type: G3 A4

left view

Type: G3 A3

right view

Type: South African G3

The butt is very similar to the FN FAL

Type: CETEME rifles (Spain)

right view,CETEME model B, the "father of the G3 rifle

Type: CETEME rifles (Spain)

right view

HK G3

right view

HK G3

marking details

HK G3

marking details

HK G3

marking details

The following ammunition can be used by the **HK G3**:

7.62 x 51mm / .308 Winchester

Bullet diameter	7.82 mm
Case length	51.18 mm
Overall length	69.85 mm

HK G36

The G36 was developed in the 1990s and adopted by several armed forces, e.g. the German Bundeswehr and the Spanish Armed Forces. It is gas-operated and employs a rotating bolt and multi-lug locking system, in contrast to traditional Heckler & Koch delayed roller-locked bolt systems. The butt-stock folds to the right. In 2012, reports about overheating G36 rifles in Afghanistan surfaced which affected the G36's accuracy. In April 2015, the German Ministry of Defence decided that the G36 would be phased out.

Category	*Assault Rifles*
Operating system	gas, selective-fire
Cartridge	5.56 x 45mm / .223 Remington
Length	1002 mm
Feeding	detachable, polymer box magazine

The following ammunition can be used by the **HK G36**:

5.56 x 45mm / .223 Remington

Bullet diameter	5.7 mm
Case length	44.7 mm
Overall length	57.4 mm

HK MP5

Though the Heckler & Koch MP5 was designed in the 1960s, it is still one of the most widely deployed sub-machine guns and has been developed into a family with numerous variants. The gun features either a fixed or a sliding (telescoping) butt-stock. The original MP5 offers a choice of single shot or automatic fire, whereas later models received a burst-fire device, allowing two or three-round-bursts each time the trigger is operated. Current models remain in (licensed) production in several countries, though The China North Industries Corporation, officially abbreviated as Norinco, manufactures an unlicensed copy, the NR08.

Category	*Submachine Guns*
Operating system	delayed-blowback; selective-fire
Cartridge	9mm Parabellum (9 x 19mm)
Length	680 mm
Feeding	detachable box magazine

HK MP 5

left view

HK MP 5

left view, stock extended

HK MP 5

left view

HK MP 5

right view

HK MP 5

right view

HK MP 5

right view

HK MP 5

right view

HK MP 5

top view

HK MP5
094/md-01-300w.jpg
marking details

HK MP 5
094/md-02-300w.jpg
marking details: HK MP 5 Kal. 9 mm x 19 80244

HK MP 5
094/md-03-300w.jpg
marking details: HK MP 5

HK MP 5
094/ws-01-300w.jpg
weapon specifics

HK MP 5
094/ws-02-300w.jpg
weapon specifics

HK MP 5
094/ws-03-300w.jpg
weapon specifics

HK MP 5
094/ws-04-300w.jpg
weapon specifics

The following ammunition can be used by the **HK MP5**:

9mm Parabellum (9 x 19mm)

Bullet diameter	9 mm
Case length	19.15 mm
Overall length	29.69 mm

Lee-Enfield SMLE

Rifles manufactured in the USA may have "UNITED STATES PROPERTY" on the left side of the receiver. Some of the Indian-made weapons can be found using 7.62 NATO caliber. The Lee-Enfield family of rifles is the oldest bolt-action rifle design still in official service. Lee-Enfield rifles are used by reserve forces and police forces in many Commonwealth countries, particularly Canada, where they are the main rifle issued to the Canadian Rangers, and India, where the Lee-Enfield is widely

issued to reserve military units and police forces. Many Afghan participants in the Soviet invasion of Afghanistan were armed with Lee-Enfields (a common rifle in the Middle East and South Asia).

Category	*Rifles & Carbines*
Operating system	Manually operated, rotating bolt
Cartridge	7.7 x 56mm R / .303 British
Length	1130 mm
Feeding	Box magazine

Type: No. 1 Mk. III

right view

Type: No. 4 Mk. I

right view

Lee-Enfield SMLE

marking details

Lee-Enfield SMLE

marking details

Lee-Enfield SMLE

marking details

Lee-Enfield SMLE

marking details

The following ammunition can be used by the **Lee-Enfield SMLE**:

7.7 x 56mm R / .303 British

Bullet diameter	7.9 mm
Case length	56.4 mm
Overall length	78.1 mm

M1918 Browning

The M1918 was produced between 1917 and 1945 originally in the US, but it is also produced in countries such as Belgium, Poland, Sweden and China. It remained in use by the US military until the 1970s. The name affix of the M1918 "BAR" means "Browning Automatic Rifle" and refers to the original designer John M. Browning, not to the actual manufacturer.

Category	*Light Machine Guns*
Operating system	gas operated, rising bolt lock

Cartridge	.30-06 M1 7.62 x 51mm / .308 Winchester 7.7 x 56mm R / .303 British 7.92x57 mm (8x57 IS)
Length	1200 mm
Feeding	20-round detachable box magazine

M1918 Browning

left view

M1918 Browning

left view

M1918 Browning

right view

M1918 Browning

top view

M1918 Browning

bottom view

M1918 Browning
129/md-01-300w.jpg

marking details

M1918 Browning
129/md-02-300w.jpg

marking details

M1918 Browning
129/md-03-300w.jpg

marking details

M1918 Browning
129/ws-01-300w.jpg

weapon specifics

The following ammunition can be used by the **M1918 Browning**:

.30-06 M1

Bullet diameter	7.8 mm
Case length	63.3 mm
Overall length	85 mm

NO IMAGE

7.62 x 51mm / .308 Winchester

Bullet diameter	7.82 mm
Case length	51.18 mm
Overall length	69.85 mm

7.7 x 56mm R / .303 British

Bullet diameter	7.9 mm
Case length	56.4 mm
Overall length	78.1 mm

7.92x57 mm (8x57 IS)

Bullet diameter	8.08 mm
Case length	57 mm
Overall length	82 mm

M1919 Browning

The M1919 is still used by many countries as a vehicle gun, but it is no longer produced in the US. It was originally used as a fixed gun in tanks during the Second World War, but it was also mounted on a tripod and used by infantry. The name affix of the M1919 "BAR" means "Browning Automatic Rifle" and refers to the original designer John M. Browning, not to the actual manufacturer. Variants of the M1919 are the A1; A2; A3; A4; A5; A6; M37 and AN/M2.

Category	*Light Machine Guns*
Operating system	short recoil, automatic
Cartridge	.30-06 M1 7.62 x 25mm Tokarev
Length	1044 mm
Feeding	250-round belt

M1919 Browning

left view

M1919 Browning

left view

M1919 Browning

right view

M1919 Browning

top view

M1919 Browning

bottom view

M1919 Browning

119/md-01-300w.jpg

marking details

M1919 Browning 119/md-02-300w.jpg marking details	*M1919 Browning* 119/ws-01-300w.jpg weapon specifics

The following ammunition can be used by the **M1919 Browning**:

.30-06 M1

Bullet diameter	7.8 mm
Case length	63.3 mm
Overall length	85 mm

NO IMAGE

7.62 x 25mm Tokarev

Bullet diameter	7.8 mm
Case length	25 mm
Overall length	34 mm

M203 grenade launcher

The M203 grenade launcher was intended to be used as close fire support for point and group area targets. The round is designed to be effective at penetrating windows, blowing up doors, producing casualties in groups of enemies, destroying bunkers, and damaging or disabling soft-skinned vehicles. Its primary purpose is to engage enemies in dead space that cannot be reached by direct fire. A well-trained M203 gunner can also use his weapon to suppress the enemy, both from movement and sight. M203 were also produced in Egypt, South Korea and Bulgaria (as UBGL-M1, with mount suitable for Kalashnikov AKM and AK-74 type rifles).

Category	*Hand-held under-barrel and Mounted Grenade Launchers*
Operating system	Single shot, under-barrel, pump-action
Cartridge	40 x 46 mm grenade
Length	380 mm

Feeding	breech-loaded

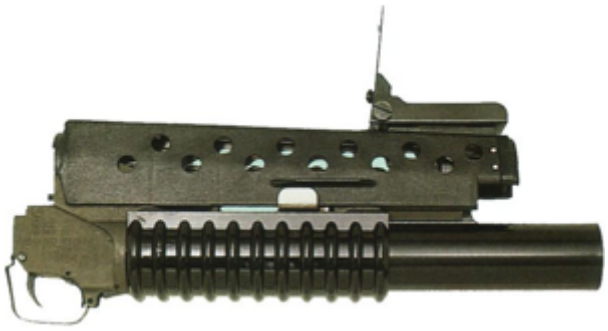
M203

left view

M203

left view

M203



right view

The following ammunition can be used by the **M203 grenade launcher**:

40 x 46 mm grenade

Bullet diameter	–
Case length	–
Overall length	–

NO IMAGE

MAS 49

The MAS-49 is a French semi-automatic rifle that replaced various bolt action rifles as the French service rifle. The MAS-49 and MAS 49/56 use a direct gas impingement system with no gas piston. In this system gas is vented from a port on top of the barrel and piped directly into an

open cylindrical hollow located in front and on top of the bolt carrier. The system has the advantage of not depositing gas fouling on the bolt itself, a separate part located underneath the bolt carrier.Many MAS-49/56 rifles were imported as surplus in the USA and had been rechambered to fire the 7.62x51mm NATO round.

Category	*Rifles & Carbines*
Operating system	Gas operated, tilting bolt
Cartridge	7.5 x 54mm
Length	1100 mm
Feeding	Box magazine

MAS 49

right view

MAS 49

right view

The following ammunition can be used by the **MAS 49**:

7.5 x 54mm

Bullet diameter	7.8 mm
Case length	54 mm
Overall length	78 mm

MAS 49/56

The MAS-49 is a French semi-automatic rifle that replaced various bolt action rifles as the French service rifle. The MAS-49 and MAS 49/56 use a direct gas impingement system with no gas piston. In this system gas is vented from a port on top of the barrel and piped directly into an open cylindrical hollow located in front and on top of the bolt carrier. The system has the advantage of not

depositing gas fouling on the bolt itself, a separate part located underneath the bolt carrier. Many MAS-49/56 rifles were imported as surplus in the USA and had been rechambered to fire the 7.62x51mm NATO round.

Category	*Rifles & Carbines*
Operating system	Gas operated, tilting bolt
Cartridge	7.5 x 54mm
Length	1020 mm
Feeding	Box magazine

MAS 49/56

right view

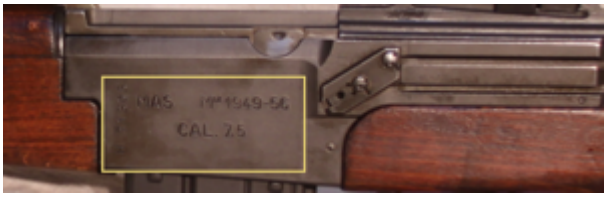
MAS 49/56

right view

MAS 49/56

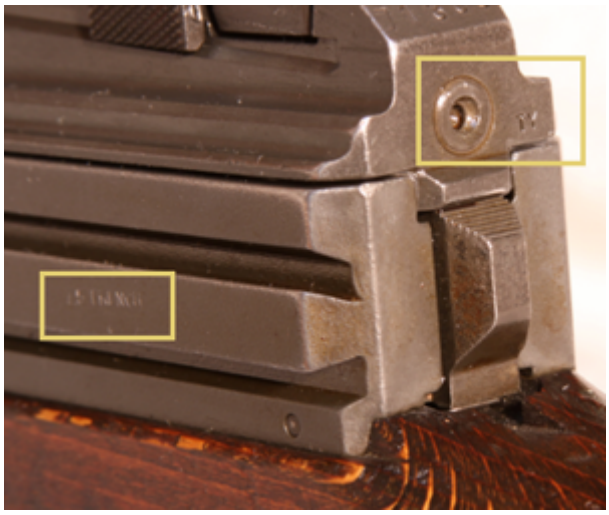
right view

MAS 49/56



marking details

MAS 49/56



marking details

MAS 49/56

marking details

The following ammunition can be used by the **MAS 49/56**:

7.5 x 54mm

Bullet diameter	7.8 mm
Case length	54 mm
Overall length	78 mm

MAT 49

For some 30 years, the MAT 49 was widely used by French military and police forces; it was used throughout the Indochinese and Algerian campaigns. The weapon can still be encountered in former French colonies in Africa and Indochina. It should be noted that North Vietnam once produced a local copy of the MAT 49, chambered for 7.62mm TT rounds. MAT 49s manufactured for police forces, had two triggers, allowing use of full-auto fire or single shots, but most were manufactured as full-auto only.

Category	*Submachine Guns*
Operating system	Blowback-operated, fired from open bolt

Cartridge	7.62 x 25mm Tokarev 9mm Parabellum (9 x 19mm)
Length	404 mm
Feeding	Box magazine

MAT 49

left view

MAT 49

right view

MAT 49

marking details

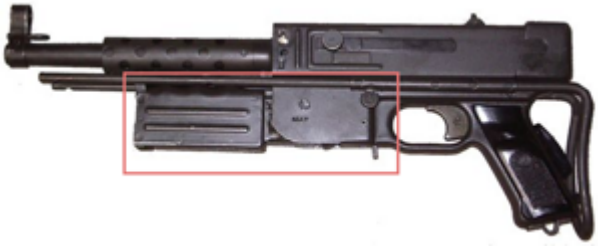
MAT 49

marking details

MAT 49

marking details

MAT 49



marking details

The following ammunition can be used by the **MAT 49**:

7.62 x 25mm Tokarev

Bullet diameter	7.8 mm
Case length	25 mm
Overall length	34 mm

9mm Parabellum (9 x 19mm)

Bullet diameter	9 mm
Case length	19.15 mm
Overall length	29.69 mm

MBDA MILAN

The anti-tank weapons system MILAN (Missile d´infanterie léger antichar; English: Light anti-tank infantry missile) is a French / German missile that was designed in the 1960s and entered into production in 1972. The MILAN system, which is usually mounted on a tripod, consists of two units: the ammunition (missile) unit and a combined launching and guidance unit. At a range of 4,000 m, targets can be detected and hit at a range of 2,000 m. The production of MILAN 1 and 2 has ceased, and MILAN 3 is the current production model. The MILAN system remains in widespread service, with reported use in over 40 countries.

Category	*Portable Launcher of Anti-tank Missile and Rocket Systems*
Operating system	portable anti-tank weapon system
Cartridge	

The following ammunition can be used by the **MBDA MILAN**:

MG 3 / MG 42

The MG is a short-recoil operated, air cooled, belt fed weapon which fires from an open bolt. The barrel is quick-removable, and can be replaced in less than six seconds by a properly trained crew. The action of the weapon is operated by the recoil of the locked barrel, assisted by a muzzle booster which uses pressure from the muzzle blast to increase the recoil impulse. This is a simple and solid system. Variants: MG 1: Rheinmetall variant of the MG 42, most notably rechambered to fire 7.62×51mm NATO. MG 1A1 (MG 42/58): As MG 1, but with sights properly calibrated for the new round. Sights refitted to existing MG 1s. MG 1A2 (MG 42/59): MG 1A1 variant; product improved with longer ejection port, heavy bolt and friction ring buffer. MG 1A3: MG 1A2 variant; product improvement of all major components. MG 1A4: MG 1 variant; for fixed mount armor use. MG 1A5: MG 1A3 variant; MG1A3s converted to MG1A4 standard. MG 2: Designation for all wartime MG 42s rechambered to 7.62×51mm NATO. MG 3: MG 1A3 variant; product improved with AA rear sight. MG 3E: MG 3 variant; reduced weight model (roughly 1.3 kg lighter), entered into late 1970s NATO small arms trials. MG 3A1: MG 3 variant; for fixed mount armor use.

Category	*Light Machine Guns*
Operating system	recoil-operated, roller locked
Cartridge	
Feeding	belt fed

MG 3 / MG 42
131/lv-01-300w.jpg
left view, mounted on a bipod

MG 3 / MG 42
131/lv-02-300w.jpg
left view, mounted on a tripod

MG 3 / MG 42
131/rv-01-300w.jpg
right view

The following ammunition can be used by the **MG 3 / MG 42**:

Mauser K98

There are many variants of this weapon, and it has been widely copied. K98k is a bolt-action rifle chambered for the 7.92×57mm Mauser cartridge. It remained the primary German service rifle until the end of the war in 1945. Millions were captured by the Soviets at the conclusion of World War II and were widely distributed as military aid. The Karabiner 98k therefore continues to appear in conflicts across the world as they are taken out of storage during times of strife. A number of non-European nations used the Mauser Karabiner 98k rifle as well as a few guerrilla organizations to help establish new nation-states. One example was Israel who used the Mauser Karabiner 98k rifle from the late 1940s until the 1970s. During the 1990s, the Yugoslavian Karabiner 98k rifles and the Yugoslavian M48 and M48A rifles were used alongside modern automatic and semi-automatic rifles by all the warring factions of the Yugoslav wars.

Category	*Rifles & Carbines*
Operating system	Manually operated, rotating bolt
Cartridge	7.92x57 mm (8x57 IS)
Length	1110 mm
Feeding	Internal magazine

Mauser K98

left view

Type: Mauser K98k

right view

Mauser K98

marking details

Mauser K98

marking details

Mauser K98

marking details

Mauser K98

marking details

The following ammunition can be used by the **Mauser K98**:

7.92x57 mm (8x57 IS)

Bullet diameter	8.08 mm
Case length	57 mm
Overall length	82 mm

Mosin-Nagant Rifle Mod. 1891

This Russian “3-line” caliber (.30, 7,62mm) rifle existed in several variations and was several times adopted and modernized. Copies of this rifle were manufactured in different countries, like China, Hungary and Poland. Some of these were sporterized and converted to various calibers. Large numbers of these weapons were imported into both France and USA. The model 91/44 is shorter and has an attached bayonet. It was in service with several armed forces, both regular and irregular, and it can be found in many countries in Asia and Africa.

Category	*Rifles & Carbines*
Operating system	Manually operated, rotating bolt
Cartridge	7.62 x 54mm R
Length	1306 mm

Feeding	Internal magazine

Mosin-Nagant Rifle

right view

U.S. Rifle, Model of 1916

right view

Mosin-Nagant Rifle

marking details

Mosin-Nagant Rifle

marking details

Mosin-Nagant Rifle

marking details

The following ammunition can be used by the **Mosin-Nagant Rifle Mod. 1891**:

7.62 x 54mm R

Bullet diameter	7.92 mm
Case length	53.72 mm
Overall length	77.16 mm

PPSH 41

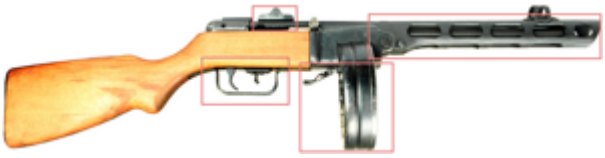
The PPSh 41 was one of major infantry weapons of the Soviet troops during the World war 2. Retired from Soviet Army service soon after the WW2, the PPSh was widely exported to some pro-Soviet countries around the world, including China, Vietnam and many African countries. It was an effective, but somewhat crude weapon, reliable in combat but not without certain flaws. It has an excessive rate of fire, and its drums were uncomfortable to carry and prone to feed problems once the spring is weaken. The weapon was in service with several armed forces, both regular and irregular, and it can be found in many countries in Asia and Africa. Nearly 6 million items were produced.

Category	*Submachine Guns*
Operating system	Blowback-operated, fired from open bolt
Cartridge	7.62 x 25mm Tokarev
Length	843 mm
Feeding	Drum magazine

MP PPSH 41

left view

MP PPSH 41



right view

MP PPSH 41

marking details

MP PPSH 41

marking details

MP PPSH 41

marking details

The following ammunition can be used by the **PPSH 41**:

7.62 x 25mm Tokarev

Bullet diameter	7.8 mm
Case length	25 mm
Overall length	34 mm

Ruger Mini-14

The Mini-14 is a lightweight, semi-automatic rifle manufactured by Sturm, Ruger & Co in the US. It entered into production in 1973, though the original model is no longer in production as it has been replaced by the Ruger Mini-14 Tactical Rifle series.

Category	*Rifles & Carbines*
Operating system	gas, self-loading
Cartridge	5.56 x 45mm / .223 Remington
Length	946 mm
Feeding	detachable box magazine

The following ammunition can be used by the **Ruger Mini-14**:

5.56 x 45mm / .223 Remington

Bullet diameter	5.7 mm
Case length	44.7 mm
Overall length	57.4 mm

SIG SG540

The Swiss SIG SG540 was designed as a potential replacement for the SG510. It was produced between 1977 and 2002 in Switzerland and remains in production in Chile only. While the SG540 and the SG 543 models are chambered for the 6.56 x 45 mm caliber, the SG542 uses 7.62 x 51 mm NATO cartridges.

Category	*Assault Rifles*
Operating system	gas, selective-fire
Cartridge	5.56 x 45mm / .223 Remington
Length	950 mm
Feeding	detachable box magazine

SIG SG540

left view

SIG SG540

left view

SIG SG540

right view

SIG SG540

top view

SIG SG540

top view

SIG SG540

bottom view

SIG SG540
107/md-01-300w.jpg
marking details

SIG SG540
107/ws-01-300w.jpg
weapon specifics

SIG SG540
107/ws-02-300w.jpg
weapon specifics

The following ammunition can be used by the **SIG SG540**:

5.56 x 45mm / .223 Remington

Bullet diameter	5.7 mm
Case length	44.7 mm
Overall length	57.4 mm

SIG SG550

The Swiss SIG SG550 assault rifle is based on the SG540. It entered into production in 1981 and is also known as the Fass 90 (Fusil d'assaut 90/Fucile d'assalto 90) in French/ Italian or Stgw 90 in German (Sturmgewehr 90). As special attention was paid to making it lighter, the butt, handguard and magazine are largely made of plastic.

Category	*Assault Rifles*
Operating system	gas, selective-fire
Cartridge	5.56 x 45mm / .223 Remington
Length	998 mm
Feeding	detachable, polymer box magazine

SIG SG550

left view

SIG SG550

right view

SIG SG550

top view

SIG SG550

bottom view

SIG SG550

128/md-01-300w.jpg

marking details

SIG SG550
128/md-02-300w.jpg
marking details

SIG SG550
128/md-03-300w.jpg
marking details

SIG SG550
128/md-04-300w.jpg
marking details

SIG SG550
128/ws-01-300w.jpg
weapon specifics

SIG SG550
128/ws-02-300w.jpg
weapon specifics

The following ammunition can be used by the **SIG SG550**:

5.56 x 45mm / .223 Remington

Bullet diameter	5.7 mm
Case length	44.7 mm
Overall length	57.4 mm

Saab AT4

The Saab Bofors Dynamics AT4 entered into production in Sweden in the early 1980s and is still being produced today. It is a single-shot recoilless weapon and one of the most common light anti-tank weapons in the world. It is preloaded and after firing, the AT4 cannot be reloaded. The AT4's main disadvantage is that it creates a considerable back blast.

Category	*Portable Launcher of Anti-tank Missile and Rocket Systems*
Operating system	recoilless, one-man-portable
Cartridge	

The following ammunition can be used by the **Saab AT4**:

Sten gun

Prior to 1941 UK was keen to produce a own submachine gun as an alternative Rate of fire 550 450 550 600 rounds per minute to the US-Thompson submachine gun. Royal Small Arms Factory, Enfield designed the STEN gun. In the beginning, unreliable but extremely cheap and easy to produce. After further development, the guns of 1942 and beyond were, in general, highly effective weapons. In Germany, the STEN models “Potsdam” and “Neumünster” were manufactured during WW II. In late 1944, the Mauser works in Germany secretly started manufacturing copies of British Mk II Sten, apparently for diversion and sabotage purposes. These weapons were intended to duplicate the British original as closely as possible, right down to the markings. Also, during WW II some resistance groups in German-occupied countries (DNK, FRA, NOR, POL) produced significant numbers of Stens.

Category	*Submachine Guns*
Operating system	Blowback-operated, fired from open bolt
Cartridge	9mm Parabellum (9 x 19mm)
Length	895 mm
Feeding	Box magazine

Type: Mk. 1

left view

Type: Mk. 5

right view

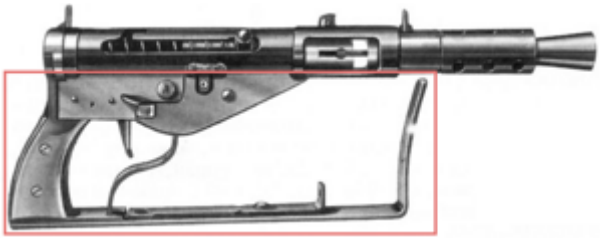
Sten MP

right view

Sten MP

right view

Type: Mk. 4



right view

Type: AUSTEN (AUS)

right view

Sten MP

marking details

Sten MP

marking details

Sten MP

marking details

Type: Mk. 2

weapon specifics

Sten MP

weapon specifics

Type: Mk. 2S

weapon specifics

Sten MP

weapon specifics

Type: Mk. 3

weapon specifics

The following ammunition can be used by the **Sten gun**:

9mm Parabellum (9 x 19mm)

Bullet diameter	9 mm
Case length	19.15 mm
Overall length	29.69 mm

Sterling L2A3

Sterling submachine guns , were purchased in more than 70 countries. However, it must be noted that these weapons were rather popular among British troops because of their relatively compact size, adequate firepower and accuracy and good reliability. Special "high power, submachine-gun only" ammunition was procured by British army for Sterling submachine guns. This ammunition was absolutely safe in Sterling submachine guns, but can cause extensive wear to many 9mm pistols designed for commercial 9x19mm ammunition.

Category	*Submachine Guns*
Operating system	Blowback-operated, select-fire, fires from open bolt
Cartridge	9mm Parabellum (9 x 19mm)
Length	481 mm
Feeding	Box magazine

Sterling MP L2A3

left view

Type: CETME C2

left view, ESP, submachine gun, 9 x 23 mm Largo

Suppressed version L34A1

left view

Sterling MP L2A3

right view

Type: FAMAE PAF 9 mm

right view, Chilean copy of the Sterling submachine gun with external differences such as retractable wire stock and missing barrel shroud

Suppressed version L34A1

right view

Sterling MP L2A3

marking details

Sterling MP L2A3

marking details

Sterling MP L2A3

marking details

Sterling MP L2A3

weapon specifics

The following ammunition can be used by the **Sterling L2A3**:

9mm Parabellum (9 x 19mm)

Bullet diameter	9 mm

Case length	19.15 mm
Overall length	29.69 mm

Thompson M1928

The American Thompson M1928 was produced between 1921 and 1945. The submachine gun, also known as the “Tommy Gun”, was popular amongst civilians, police, and criminals and military alike because of its large .45 ACP cartridges, accuracy, and high volume of automatic fire. Approximately 2,000,000 units have been produced and also exported to numerous countries worldwide.

Category	*Submachine Guns*
Operating system	blowback operated, automatic
Cartridge	.45 ACP
Length	857 mm
Feeding	drum magazine or box magazine

Thompson M1928

left view

Thompson M1928

right view

Thompson M1928

top view

Thompson M1928

093/md-01-300w.jpg

marking details: Auto-Ordnance Corporation Bridgeport, Connecticut, U.S.A.

Thompson M1928

093/md-02-300w.jpg

marking details: Auto-Ordnance Corporation Bridgeport, Connecticut, U.S.A.

Thompson M1928

093/md-03-300w.jpg

marking details: Thompson Submachine Gun Caliber 45

Thompson M1928

093/md-05-300w.jpg

marking details: U.S. Prope

Thompson M1928

093/ws-01-300w.jpg

weapon specifics

The following ammunition can be used by the **Thompson M1928**:

.45 ACP

Bullet diameter	11.5 mm
Case length	22.8 mm
Overall length	32 mm

UZI

The UZI and the Czechoslovakian series Sa 23 to Sa 26 were the first weapons to use a telescoping bolt design, in which the bolt wraps around the breech end of the barrel. This allows the barrel to be moved far back into the receiver and the magazine to be housed in the pistol grip, allowing for a heavier, slower-firing bolt in a shorter, better- balanced weapon. The pistol grip is fitted with a grip safety, making it difficult to fire accidentally. There were built further variants, also as Military variants, such as Mini Uzi, Micro Uzi and Uzi Pistol. Mini- and Micro-Uzi submachine guns were produced either in open-bolt or closed-bolt versions. The Uzi was also copied respectively cloned and spread around the whole world.

Category	*Submachine Guns*
Operating system	Blowback-operated, fired from open bolt
Cartridge	9mm Parabellum (9 x 19mm)
Length	470 mm
Feeding	Box magazine

Type: CHN, Norinco Uzi

left view, , sporter model single action, semi-automatic

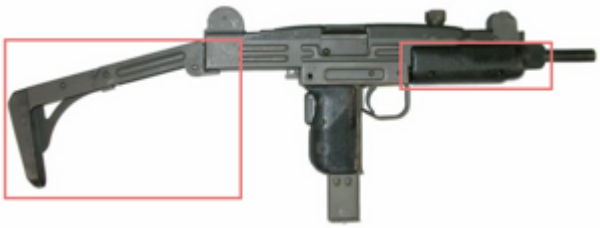
MP UZI

right view

MP UZI

right view

MP UZI



right view

Type: Mini Uzi

right view

Type: Micro Uzi

right view

MP UZI

marking details

MP UZI

marking details

MP UZI

marking details

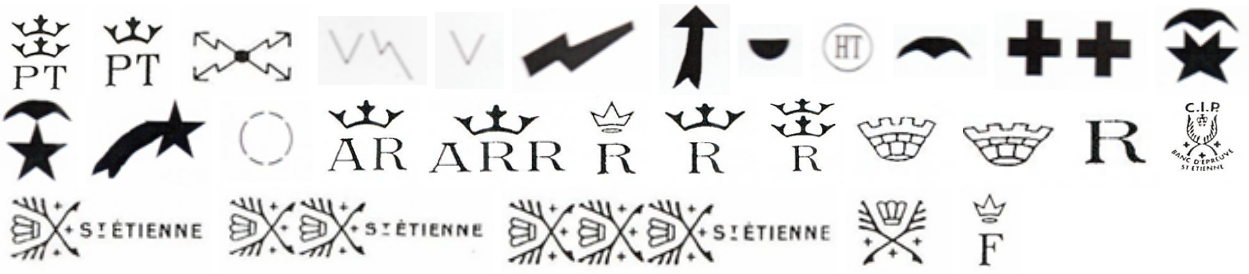
The following ammunition can be used by the **UZI**:

9mm Parabellum (9 x 19mm)

Bullet diameter	9 mm
Case length	19.15 mm
Overall length	29.69 mm

SALW markings

The following is a non-comprehensive overview of national weapon markings.



Ammunition head stamps

The following is a non-comprehensive overview of ammunitions head stamps used within this country for ammunition marking.

The company Zhevelo and Gapilya and its successor S. FM

Versailles plant.

The plant in Tarbe.

The plant in Rennes.

Cartridge Factory, Valence (constructed to NATO).

Tagging of Sources

We believe that our Guide should be as transparent as possible without endangering the confidentiality of our sources. Rather than name the exact source for each unit of data, we have created tags so that users can at least know whether the data comes from a primary or secondary source, and by which medium it can or has been found. All incoming data is validated and then tagged by the project team at BICC before it enters our database.

Sources are tagged according to the following criteria:

1. Primary Sources:

These are presentations of facts. They are proof of an SALW event (e.g. a transfer, sighting, misuse, etc.) because the source was created at the time of the event itself. Primary sources as usually original documents such as transfer authorizations, firearms legislation, or academic journals presenting results of a study on SALW holdings in a particular country, for example. However, they can also be information offered by a person with direct knowledge of an SALW event or who has documented an SALW event at the time that it happened.

2. Secondary Sources:

These are interpretations or evaluation of facts. Secondary sources contain commentary and analysis of SALW events that are documented in primary sources.

Sources are also tagged according to the dominant medium of delivery:

A. Written - the source is based on written words.

B. Oral - the source is based on spoken words.

C. Visual - the source is based on seen events or optical images.

These criteria make our tags two-dimensional. While the process of classifying sources is a primarily subjective one, the project team at BICC has developed the following table to serve as an example of possible sources within each category.

Table: Examples of sources on SALW distribution

	Primary	**Secondary**

Written	• Fact books • Weapons Transfer authorizations • End-user certificates • Transcripts of interviews, legal proceedings, speeches/ presentations, meetings, conferences or symposia • Newspaper articles • Written correspondence (e.g. letters, emails, text messages, etc.) • Blogs • Peer-reviewed journal articles • Treaties, constitution, laws • Records of organizations (e.g. annual reports) • Surveys, questionnaires Etc...	• Wikipedia • Literature reviews • Training or safety manuals on gun control, ammunition, physical stockpile security management) • Minutes of meetings, conferences, symposia • Indexes (e.g. Global Militarization Index) • Newspaper articles Etc.
Oral	• Interviews with experts, including radio or telephone • Legal proceedings • Speeches or interventions by experts or national representatives in government or international meetings Etc ...	• Speeches, panel presentations, etc. on data provided by experts Etc...
Visual	• Artifacts (e.g. the weapons themselves, ammunition) • Photographs of weapons, ammunition, etc. • Videos (e.g. YouTube, those recorded by mobile phone) • Television documentaries, news reports Etc ...	• PowerPoint presentations on results found by experts Etc...

Table: Example tags

Source (sample)	Type of source	Medium of delivery
IHS Jane’s Weapons Infantry (2015-2016)	primary	written
Panel discussion of weapons use of non-state armed groups	secondary	oral
Documentary on paramilitaries in Colombia	primary	visual

About the Guide

The Interactive Guide on **Small Arms and Light Weapons** is an open access tool, designed to build knowledge on how to identify different types, makes and models of commonly used SALW in organized violence; to collect data on the global and country-specific spread of these SALW; and to describe some of their visual and technical specifications.

The guide is not an exhaustive list of all SALW that are used around the world.

Global SALW control relies on, among other things, data and knowledge of the weapons themselves. Our aim is that the Guide will be used to support national reporting duties on SALW holdings; facilitate and ameliorate the collection of data on SALW; and increase general knowledge of global distribution of SALW.

The interactive Guide was developed by **BICC** in close cooperation with the **Bundeswehr Verification Center** (BwVC), and with the generous support of the *Federal Foreign Office, Germany*.

Contact

Bonn International Centre for Conflict Studies (BICC) gGmbH
Joseph Farha
Project Coordinator
Pfarrer-Byns-Str. 1
53121 Bonn
Germany

E-Mail: joseph.farha@bicc.de
Internet: www.bicc.de

Zentrum für Verifikationsaufgaben der Bundeswehr (ZVBw) - Bundeswehr Verification Center (BwVC)
Global Arms- and Proliferation Control Division
Major Laurentius Wedeniwski
Selfkant-Kaserne
Rue de Quimperle 100
52511 Geilenkirchen
E-Mail: LaurentiusWedeniwski@bundeswehr.org

Overall project coordination

Joseph Farha
Project Coordinator
Bonn International Centre for Conflict Studies (BICC)

Responsible for all content (including photos):

Zentrum für Verifikationsaufgaben der Bundeswehr (ZVBw) - Bundeswehr Verification Center.
Major Laurentius Wedeniwski: Small Arms and Light Weapons Guide (2016).

Responsible for design, editorial and technical implementation:

Bonn International Centre for Conflict Studies (BICC) gGmbH.
Technical management: Joseph Farha
Programming: Rolf Alberth