

Semiautomatic Sporting Rifles



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Carabina Modelo Militar

Notes: The Carabina Modelo Militar was built to be a low-cost training rifle for troops who would eventually using heavier weapons to teach the basic principles of marksmanship. They were eventually superseded by the FAL Cal .22. The CMM is basically an M-1 Carbine rechambered for the .22 Long Rifle cartridges, and is internally almost identical to that weapon. Most of these weapons have been put into storage or sold on the civilian market.

Twilight 2000 Notes: When the Twilight War reached Argentina, these weapons were widely distributed to civilian paramilitary forces and militias, sometimes to children as young as 10. Most Argentines given the CMM used them for hunting, as it made a poor antipersonnel weapon, especially against an enemy equipped with any sort of body armor.

Weapon	Ammunition	Weight	Magazines	Price
CMM	.22 Long Rifle	2.5 kg	10	\$230

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
CMM	SA	1	Nil	6	1	Nil	37

FAL Cal .22

Notes: This basically a FAL that has been rechambered for the .22 Long Rifle cartridge. This was done because for most basic marksmanship training, using the .22 Long Rifle cartridge has most of the same benefits while being much cheaper than the 7.62 NATO cartridge. The FAL Cal .22 is also useful for teaching care of the rifle, since the innards are virtually identical to the standard FAL. When switching to a standard FAL, all you really have to do is get the troops used to the greater recoil and longer range of the 7.62N round.

Twilight 2000 Notes: As with the CMM above, the FAL Cal .22 was handed out to Argentine irregular and militia forces, ostensibly for use against enemy soldiers; instead, it was largely used for hunting and rat control.

Weapon	Ammunition	Weight	Magazines	Price
FAL Cal .22	.22 Long Rifle	4.6 kg	20	\$261

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
FAL Cal .22	SA	1	Nil	7	1	Nil	43

Sportco 71S/87A

Notes: These are semiautomatic varmint hunting rifles of otherwise conventional design. It started production in about 1966 and was produced for at least 10 years. The 71S is of conventional construction, with a distinctive squared fore-end. Construction was kept simple, with most metal parts made of stamped steel and so-so quality of wood. The receiver is grooved for a scope mount. The Sportco 71S was used as a training rifle for a short time by the British military as the L-29A1 and L-29A2, but these were quickly replaced by the Cadet model of the L-85.

The Sportco 87A, also known as the Sportomatic M-87A, is similar, but uses a tubular magazine instead of the detachable box of the 71S. It was abandoned in 1967.

Weapon	Ammunition	Weight	Magazines	Price
Sportco 71S	.22 Long Rifle	2.72 kg	10	\$291
Sportco 87A	.22 Long Rifle	2.75 kg	10 Tubular	\$291

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Sportco 71S/87A	SA	1	Nil	6	1	Nil	48

MSAR STG-556

Notes: One of the newest civilian versions of the Steyr AUG series is the STG-556. Built by a Steyr subsidiary in the US called Microtech Small Arms Research (MSAR), the STG-556 is actually built from better-quality materials and to closer tolerances than the AUG. The receiver is, in fact, made from 7075-76 aluminum rather than polymer, and is hardcoat-anodized. (The stock is still polymer.) The STG-556 also has a bolt hold-open feature and a forward assist. Though MIL-STD-1913 rails are not standard features, two attachment points for them are provided under the optical sight; alternatively, the STG-556 can be ordered without the AUG-like optical sight and with a MIL-STD-1913 rail atop the receiver instead. The optical sight is still 1.5x, but the reticle is different. Magazines used are of the traditional AUG-specific type used on the AUG A1 series, with 10 and 20-round magazines also being available. (These reduced-capacity magazines will also fit into an AUG A1.) An unusual feature is that the STG-556 can be had in 6.8mm SPC, and a kit is also available to convert a 5.56mm STG-556 to fire 6.8mm SPC.

A variant of the STG-556, the MSC-08, can be had as a complete rifle or as a kit to convert the STG-556 to the MSC-08 configuration. The MSC-08 is a 9mm carbine with a 16.5-inch barrel. The features are for the most part the same as the STG-556, except for the varying barrel lengths.

Twilight 2000 Notes: These weapons do not exist in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
STG-556 (14" Barrel)	5.56mm NATO	3.21 kg	10, 20, 30, 42	\$674
STG-556 (16" Barrel)	5.56mm NATO	3.27 kg	10, 20, 30, 42	\$695
STG-556 (20" Barrel)	5.56mm NATO	3.36 kg	10, 20, 30, 42	\$736
STG-556 (14" Barrel)	6.8mm SPC	3.6 kg	8, 16, 26, 36	\$813
STG-556 (16" Barrel)	6.8mm SPC	3.67 kg	8, 16, 26, 36	\$834
STG-556 (20" Barrel)	6.8mm SPC	3.77 kg	8, 16, 26, 36	\$875
MSC-08	9mm Parabellum	3.51 kg	25, 32	\$500

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
STG-556 (5.56mm, 14")	SA	3	1-Nil	4	2	Nil	29
STG-556 (5.56mm, 16")	SA	3	1-Nil	4	2	Nil	36
STG-556 (5.56mm, 20")	SA	3	1-Nil	5	2	Nil	50
STG-556 (6.8mm, 14")	SA	3	1-2-Nil	4	2	Nil	39
STG-556 (6.8mm, 16")	SA	3	1-2-Nil	4	2	Nil	48
STG-556 (6.8mm, 20")	SA	3	1-2-Nil	5	3	Nil	67
MSC-08	SA	2	Nil	5	1	Nil	37

Voere Titan II

Notes: This is an update of the basic pre-World War 2 Titan design, produced in the 1970s. The Titan II (also known as the Titan 225) is mostly a standard-design bolt-action rifle, but uses a deep stock cut to form a handgrip. The receiver is very streamlined, and the Titan II could be had with a standard single trigger or a set trigger. The titan II is a very robust rifle able to fire both standard and Magnum cartridges with only minor modifications to the basic design, and it is available in a plethora of chamberings. The Titan II is available in a *Luxusmodell* version (deluxe model), which is the same weapon built with a combination of cherry and rosewood, and

engraved artwork. Production of the Titan II appears to have stopped in 1994.

Weapon	Ammunition	Weight	Magazines	Price
Titan II	5.6mm RWS	3.26 kg	5	\$822
Titan II	.243 Winchester	3.34 kg	5	\$858
Titan II	.25-06 Remington	3.7 kg	5	\$1039
Titan II	6.5mm Swedish Mauser	3.35 kg	5	\$981
Titan II	6.5mm Mauser	3.35 kg	5	\$1001
Titan II	6.5x68mm RWS	3.59 kg	5	\$1130
Titan II	.270 Winchester	3.5 kg	5	\$1165
Titan II	.270 Weatherby Magnum	3.51 kg	5	\$1169
Titan II	7mm Mauser	3.37 kg	5	\$1105
Titan II	7mm Brenneke	3.57 kg	5	\$1195
Titan II	7mm Vom Hofe	3.62 kg	5	\$1218
Titan II	7mm Remington Magnum	3.38 kg	5	\$1192
Titan II	7.5mm Swiss	3.42 kg	5	\$1211
Titan II	.300 H&H Magnum	4.25 kg	5	\$1997
Titan II	.300 Weatherby Magnum	4.21 kg	5	\$1987
Titan II	.300 Winchester Magnum	3.85 kg	5	\$1906
Titan II	.30-06 Springfield	3.42 kg	5	\$1334
Titan II	.308 Norma Magnum	3.7 kg	5	\$1362
Titan II	7.62mm NATO	3.3 kg	5	\$1146
Titan II	8mm Mauser	3.97 kg	5	\$1326
Titan II	8x68mm RWS	4.62 kg	5	\$2022
Titan II	.338 Winchester Magnum	4.71 kg	5	\$2055
Titan II	9.3mm Mauser	4.73 kg	5	\$2214
Titan II	9.3mm Brenneke	4.81 kg	5	\$2269
Titan II	.375mm H&H Magnum	4.93 kg	5	\$2541
Titan II	.458 Winchester Magnum	5.51 kg	5	\$3051

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Titan II (5.6mm)	SA	3	2-Nil	7	2	Nil	63
Titan II (.243)	SA	3	2-Nil	7	3	Nil	74
Titan II (.25-06)	SA	4	2-3-Nil	7	3	Nil	65
Titan II (6.5mm Swedish)	SA	4	2-3-Nil	7	3	Nil	77
Titan II (6.5mm Mauser)	SA	4	2-3-Nil	7	4	Nil	74
Titan II (6.5x68mm)	SA	4	1-2-3	7	3	Nil	75
Titan II (.270 Winchester)	SA	4	2-3-Nil	7	3	Nil	69
Titan II (.270 Magnum)	SA	4	1-2-3	7	3	Nil	82
Titan II (7mm Mauser)	SA	4	2-3-Nil	7	4	Nil	80
Titan II (7mm Brenneke)	SA	4	2-3-Nil	7	4	Nil	71
Titan II (7mm Vom Hofe)	SA	4	2-3-Nil	7	4	Nil	70
Titan II (7mm Magnum)	SA	4	1-2-3	7	4	Nil	86
Titan II (7.5mm Swiss)	SA	4	2-3-Nil	7	4	Nil	89
Titan II (.300 H&H)	SA	5	1-2-3	8	3	Nil	82
Titan II (.300 Weatherby)	SA	5	1-2-3	8	3	Nil	82
Titan II (.300 Winchester)	SA	5	2-3-Nil	8	4	Nil	89
Titan II (.30-06)	SA	4	2-3-Nil	8	4	Nil	78
Titan II (.308 Norma)	SA	5	1-2-3	8	4	Nil	91
Titan II (7.62mm)	SA	4	2-3-Nil	7	4	Nil	89
Titan II (8mm Mauser)	SA	5	2-3-Nil	8	4	Nil	90
Titan II (8x68mm)	SA	6	1-3-Nil	8	4	Nil	92
Titan II (.338)	SA	6	1-3-Nil	8	4	Nil	103
Titan II (9.3mm Mauser)	SA	5	2-4-Nil	8	4	Nil	90
Titan II (9.3mm Brenneke)	SA	5	2-4-Nil	8	4	Nil	90
Titan II (.375)	SA	7	1-3-5	8	4	Nil	100
Titan II (.458)	SA	8	1-3-5	9	4	Nil	108

Browning Automatic Carbine (Auto-22)

Notes: Also known as the SA-22, .22 Semiauto, or just Auto-Rifle, this weapon was first designed by John Browning in 1908, but production did not begin until 1913. It was built in several production batches: 1913-14, 1920-40, 1947-76, and (by the Miroku Firearms Company in Japan, though sold exclusively through FN/Browning) from 1976 until this day. Auto-22s were also made under license by Remington from 1919-1949 to fulfill consumer demand. It is a simple autoloading small-caliber rifle with a tubular magazine in the butt instead of under the barrel. It is not simply a scaled-down version of a larger rifle; it was designed specifically for the cartridges it fires. The magazine in the butt has an unusual feature: there is a port cut in the butt allowing the magazine to be half-filled without removing the entire magazine. Ejection is from the bottom of the receiver. The tubular magazine is not under the forearm; the forearm is simply a solid piece of shaped wood and the magazine is in the stock. The barrel length is 19.375 inches. The original model came in versions firing .22 Long Rifle (the most common by far) or .22 Short (a rare variant). Other variants include the very basic Model A, with a small magazine and overall smaller size; the Model B, an improved model A with a checkered pistol grip butt and better-quality woods; the BAC Deluxe, with a grayed steel receiver (Grade III), or a even more elaborate artwork (Grade IV), or gold-inlaid artwork (Grade V), attractive artwork on the receiver, and a version able to fire .22 Magnum rounds. Grade II, III, and IV Auto-22s are sometimes engraved and, much more rarely, have the artists' signatures engraved on the right side of the receiver. IRL, these are worth a lot of money, but this has no practical effect in game terms. Normal finishing is blued, and sometimes with simple engraving. The walnut is Grade I, checkered on the wrist and forearm. Grade II rifles has a gold-plated trigger and more elaborate engraving, with the metalwork having a bright finish (called "Coin" by Browning) or Parkerized gray. Grade III rifles had engraving of an elaborate game scene, with the right side having a hunting dog chasing three ducks and the left a dog holding a rabbit or duck. Other scenes are available though special order. The stock of a grade III has elaborate skipline checkering instead of the normal cut. The Grade IV, the only version remaining in production, has blue or grayed engraved receivers, and barrels (non-engraved). The engraving is in gold, and the trigger is gold-plated.

The Auto-22 has also proven itself amenable to the addition of a suppressor, though so far no one has done this with any other than a standard Auto-22 (BAC). It is the same as the standard BAC with the exception of the addition of a suppressor; however, a suppressed Auto-22 has different stats and firing characteristics,

Weapon	Ammunition	Weight	Magazines	Price
BAC	.22 Short	2.11 kg	15 Tubular	\$240
BAC	.22 Long Rifle	2.15 kg	11 Tubular	\$248
BAC Models A&B	.22 Short	1.77 kg	11 Tubular	\$189
BAC Models A&B	.22 Long Rifle	1.81 kg	8 Tubular	\$196
BAC Deluxe	.22 Short	1.94 kg	15 Tubular	\$235
BAC Deluxe	.22 Long Rifle	1.98 kg	11 Tubular	\$243
BAC Deluxe	.22 Winchester Magnum Rimfire	2.1 kg	8 Tubular	\$264
BAC Suppressed	.22 Short	2.26 kg	15 Tubular	\$272
BAC Suppressed	.22 Long Rifle	2.38 kg	11 Tubular	\$295

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
BAC (.22 Short)	SA	-2	Nil	5	1	Nil	32
BAC (.22 Long Rifle)	SA	1	Nil	5	1	Nil	40
BAC Model A&B (.22 Short)	SA	-2	Nil	4	1	Nil	24
BAC Model A&B (.22 Long Rifle)	SA	1	Nil	4	1	Nil	28
BAC Deluxe (.22 Short)	SA	-2	Nil	5	1	Nil	32
BAC Deluxe (.22 Long Rifle)	SA	1	Nil	5	1	Nil	40
BAC Deluxe (.22 Magnum)	SA	1	Nil	5	1	Nil	49
BAC (.22 Short, Suppressed)	SA	-2	Nil	5	1	Nil	27
BAC (.22 Long Rifle, Suppressed)	SA	1	Nil	5	1	Nil	33

Browning BAR

Notes: Also known as the Browning Sporting Rifle, (to avoid confusion with the military automatic rifle) this is basically the updated, semiautomatic counterpart to the BBR. These weapons are very popular in North America, South America, and Europe. It is a very elegant design, simple to use and maintain, and can often be found with engraved artwork (often gold-inlaid). Barrels as were 22 inches long for the standard guns, but a 22-inch barrel was later made available. The First BARs were introduced in 1967, initially called the Browning High-Power Auto Rifle. The .280 version was not introduced until 1988. All BARs have some type of iron sights and are also drilled and tapped.

Variants of the basic design include the Battue, introduced in the mid-1980s; this version has a folding leaf sight at the quarter-rib. It is otherwise identical to standard BAR for game purposes. The BAR Big Game Special Edition was a version in .30-06, using a 22-inch barrel that is heavy and target-crowned. The trigger is gold-plated, and the silver-gray receiver has engraved scenes of a mule deer on the left and white-tail deer on the left. Each scene also has a trophy head of the animal inlaid with gold. Only 600 of this model were built between 1987-88. The BAR Deluxe is just as it sounds, a deluxe version of the BAR; the primary difference is the engraving on the receiver and the quality wood used in its stock, and it is otherwise identical to the standard BAR for game purposes.

The BAR Magnum is, as the name indicates, a magnum-firing version of the BAR, with a 24-inch barrel. The .300 Winchester Magnum was introduced in 1969; the .338 version disappeared in 1977, but was re-introduced in 1988. The Safari is basically a Magnum with a heavy barrel and stalking-type iron sights. The Lightweight has a light alloy receiver and a short 20.05-inch barrel; it was introduced in 1996. Shortly thereafter (2000) came the Lightweight Magnum, basically the same as the Lightweight but magnum-firing. The Light Battue Prima was introduced in 2001, basically a Battue built to Lightweight standards and firing a different mix of calibers. In 2002, a number of special versions of the BAR appeared, such as the BAR Evolve, with the light alloy receiver but a full 22-inch barrel. The BAR Light Stalker has a light alloy receiver, stalking-type sights, a dark gray plastic stock, 22-inch barrel, and a limited selection of chamberings.

In 1985, the BAR name was dropped (except in the US), and the rifle renamed the Affut.

In the early 2010s, FN reintroduced a new BAR in Safari Grade, calling it the BAR Mark 2 Safari. The Mark 2 has a 24-inch barrel and the original classic appearance that BAR lovers crave for. It optionally comes with the BOSS muzzle brake, and has a soft polymer recoil pad on the butt.

The Mark 3 has more flexibility with finishes, including black and Mossy Oak Breakup. The Mk 3 was available as early as late 2016, but not put up for general sales until 2017, and before then only through certain Browning-approved outlets. It has a new stock and fore-end design, and the stock is adjustable for drop. The stock is also adjustable for left and right lean, to accommodate left and right handed shooters. The trigger group housing and the floorplate is synthetic. The Mk3 makes extensive use of aluminum, with gold etching on the receiver, and satin nickel finish for most exposed steel parts. Wood is grade II walnut with a hand-rubbed oil finish and 20-line cut checkering on the fore-end and semi-pistol grip. The Mk 3 is drilled and tapped for scope mounts.

New for 2017, the Mk 3 Stalker has a composite black stock and Dura-Touch grips on both the fore-end and semi-pistol grip. The front sling swivel doubles as a bipod mount and also has QD bipod swivel cups. The 22-inch barrel is hammer-forged and medium-weight. Note The .30-06 Chambering is no longer listed on Browning's web site.

The Mk 3 Hell's Canyon Speed is similar, but has a Burnt Bronze Cerecote Finish with A-TACS AU Camouflage finish.

The Mk 3 DBM Wood has wood furniture, and is a carbine with an 18-inch barrel with an enlarged 10-round magazine. The construction is otherwise as the rest of the Mk 3 series, of largely aluminum. Unlike the standard Mk 3 version, it mounts a Picatinny rail above the receiver. It is primarily designed for short-range hunting, and the rail is long enough that a scope may be mounted in the Scout position. The DBM is the same, except for its composite furniture and Dura-Touch grips on the fore-end and semi-pistol grip.

Twilight 2000 Notes: These weapons can be found in the hands of many a hunter or militia member. However, only the standard BAR, the Big-Game Special, and the Magnum exist in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
BAR	.243 Winchester	3.35 kg	5	\$742
BAR	.270 Winchester	3.95 kg	5	\$1048
BAR	.280 Remington	4.02 kg	5	\$1087
BAR	7.62mm NATO	3.92 kg	5	\$1029
BAR	.30-06 Springfield	4.24 kg	5	\$1215
BAR Big-Game Special	.30-06 Springfield	4.25 kg	5	\$1221
BAR Magnum	7mm Remington Magnum	3.7 kg	4	\$1094
BAR Magnum	.300 Winchester Magnum	4.18 kg	4	\$1775
BAR Magnum	.338 Winchester Magnum	4.38 kg	4	\$1922
BAR Safari	7mm Remington Magnum	3.71 kg	4	\$1100
BAR Safari	.300 Winchester Magnum	4.19 kg	4	\$1793
BAR Safari	.338 Winchester Magnum	4.39 kg	4	\$1941
BAR Lightweight	.243 Winchester	3.1 kg	5	\$726
BAR Lightweight	.270 Winchester	3.63 kg	5	\$1034
BAR Lightweight	7.62mm NATO	3.6 kg	5	\$1015
BAR Lightweight	.30-06 Springfield	3.89 kg	5	\$1203
BAR Lightweight Magnum	7mm Remington Magnum	3.69 kg	4	\$1060
BAR Lightweight Magnum	.300 Winchester Magnum	4.17 kg	4	\$1662
BAR Lightweight Magnum	.338 Winchester Magnum	4.37 kg	4	\$1811
BAR Light Battue Prima	.270 Winchester	3.63 kg	5	\$1034
BAR Light Battue Prima	7mm Remington Magnum	3.69 kg	4	\$1060
BAR Light Battue Prima	7x64mm Brenneke	3.7 kg	5	\$1064
BAR Light Battue Prima	.30-06 Springfield	3.89 kg	5	\$1203
BAR Light Battue Prima	.300 Winchester Magnum	4.17 kg	4	\$1662
BAR Evolve	.270 Winchester	3.66 kg	5	\$1054
BAR Evolve	7mm Remington Magnum	3.72 kg	4	\$1080
BAR Evolve	7x64mm Brenneke	3.73 kg	5	\$1083
BAR Evolve	7.62mm NATO	3.7 kg	5	\$1035
BAR Evolve	.30-06 Springfield	4 kg	5	\$1223
BAR Evolve	.300 Winchester Magnum	4.29 kg	4	\$1722

BAR Light Stalker	7mm Remington Magnum	3.37 kg	4	\$1088
BAR Light Stalker	.300 Winchester Magnum	3.62 kg	4	\$1729
BAR Light Stalker	.338 Winchester Magnum	3.79 kg	4	\$1877
BAR Mark 2 Safari	.25-06 Remington	3.63 kg	5	\$1024
BAR Mark 2 Safari	7mm Remington Magnum	3.7 kg	5	\$1138
BAR Mark 2 Safari	.270 Winchester	3.82 kg	5	\$1050
BAR Mark 2 Safari	.30-06 Springfield	3.96 kg	5	\$1318
BAR Mark 2 Safari	.300 Winchester Magnum	3.94 kg	5	\$1872
BAR Mark 2 Safari	.338 Winchester Magnum	4.03 kg	5	\$2019
BAR Mark 2 Safari w/BOSS	.25-06 Remington	3.83 kg	5	\$1075
BAR Mark 2 Safari w/BOSS	7mm Remington Magnum	3.9 kg	5	\$1189
BAR Mark 2 Safari w/BOSS	.270 Winchester	4.02 kg	5	\$1201
BAR Mark 2 Safari w/BOSS	.30-06 Springfield	4.16 kg	5	\$1369
BAR Mark 2 Safari w/BOSS	.300 Winchester Magnum	4.14 kg	5	\$1923
BAR Mark 2 Safari w/BOSS	.338 Winchester Magnum	4.23 kg	5	\$2070
BAR Mark 3	.25-06 Remington	3.48 kg	5	\$1030
BAR Mark 3	7mm Remington Magnum	3.55 kg	5	\$1144
BAR Mark 3	.270 Winchester	3.67 kg	5	\$1156
BAR Mark 3	.30-06 Springfield	3.8 kg	5	\$1325
BAR Mark 3	.300 Winchester Magnum	3.78 kg	5	\$1880
BAR Mark 3	.338 Winchester Magnum	3.97 kg	5	\$2028
BAR Mark 3 w/BOSS	.25-06 Remington	3.68 kg	5	\$1081
BAR Mark 3 w/BOSS	7mm Remington Magnum	3.75 kg	5	\$1195
BAR Mark 3 w/BOSS	.270 Winchester	3.87 kg	5	\$1207
BAR Mark 3 w/BOSS	.30-06 Springfield	4 kg	5	\$1376
BAR Mark 3 w/BOSS	.300 Winchester Magnum	3.98 kg	5	\$1931
BAR Mark 3 w/BOSS	.338 Winchester Magnum	4.07 kg	5	\$2079
BAR Mark 3 Stalker	.243 Winchester	3 kg	4	\$840
BAR Mark 3 Stalker	.30-06 Springfield	3 kg	4	\$1316
BAR Mk 3 DBM Wood	.30-06 Springfield	3.35 kg	10	\$1276
BAR Mk3 DBM	.30-06 Springfield	3 kg	10	\$1285

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
BAR (.243)	SA	3	2-Nil	7	3	Nil	60
BAR (.270)	SA	4	2-3-Nil	7	4	Nil	55
BAR (.280)	SA	4	2-3-Nil	7	4	Nil	67
BAR (7.62mm)	SA	4	2-3-Nil	7	4	Nil	72
BAR (.30-06)	SA	4	2-3-Nil	7	4	Nil	62
BAR Big-Game Special	SA	4	2-3-Nil	7	4	Nil	65
BAR Magnum (7mm Magnum)	SA	4	1-2-3	7	4	Nil	78
BAR Magnum (.300)	SA	5	2-3-Nil	8	4	Nil	81
BAR Magnum (.338)	SA	6	1-3-Nil	8	5	Nil	93
BAR Safari (7mm Magnum)	SA	4	1-2-3	7	4	Nil	81
BAR Safari (.300)	SA	5	2-3-Nil	8	4	Nil	84
BAR Safari (.338)	SA	6	1-3-Nil	8	5	Nil	97
BAR Lightweight (.243)	SA	3	2-Nil	6	3	Nil	52
BAR Lightweight (.270)	SA	4	2-3-Nil	6	4	Nil	58
BAR Lightweight (7.62mm)	SA	4	2-3-Nil	6	4	Nil	62
BAR Lightweight (.30-06)	SA	4	2-3-Nil	7	4	Nil	54
BAR Lightweight Magnum (7mm Magnum)	SA	4	1-2-3	6	4	Nil	59
BAR Lightweight Magnum (.300)	SA	5	2-3-Nil	7	4	Nil	61
BAR Lightweight Magnum (.338)	SA	6	1-2-3	7	4	Nil	71
BAR Light Battue Prima (.270)	SA	4	2-3-Nil	6	4	Nil	58
BAR Light Battue Prima (7mm Magnum)	SA	4	1-2-3	6	4	Nil	59
BAR Light Battue Prima (7x64mm)	SA	4	1-2-3	6	4	Nil	59
BAR Light Battue Prima (.30-06)	SA	4	2-3-Nil	7	4	Nil	54
BAR Light Battue Prima (.300)	SA	5	2-3-Nil	7	4	Nil	61
BAR Evolve (.270)	SA	4	2-3-Nil	7	4	Nil	66
BAR Evolve (7mm Magnum)	SA	4	1-2-3	7	4	Nil	68

BAR Evolve (7x64mm)	SA	4	1-2-3	7	4	Nil	68
BAR Evolve (7.62mm)	SA	4	2-3-Nil	7	4	Nil	72
BAR Evolve (.30-06)	SA	4	2-3-Nil	7	4	Nil	62
BAR Evolve (.300)	SA	5	2-3-Nil	7	4	Nil	71
BAR Light Stalker (7mm Magnum)	SA	4	1-2-3	7	4	Nil	68
BAR Light Stalker (.300)	SA	5	2-3-Nil	7	4	Nil	71
BAR Light Stalker (.338)	SA	6	1-2-3	7	4	Nil	82
BAR Mark 2 Safari (.25-06)	SA	4	1-2-3	7	3	Nil	74
BAR Mark 2 Safari (7mm Magnum)	SA	4	1-2-3	7	3	Nil	80
BAR Mark 2 Safari (.270)	SA	4	2-3-Nil	7	3	Nil	78
BAR Mark 2 Safari (.30-06)	SA	4	2-3-Nil	7	3	Nil	74
BAR Mark 2 Safari (.300 Magnum)	SA	5	1-2-3	7	4	Nil	85
BAR Mark 2 Safari (.338 Magnum)	SA	6	1-2-Nil	7	4	Nil	97
BAR Mark 2 Safari (.25-06) w/BOSS	SA	4	1-2-3	7	2	Nil	74
BAR Mark 2 Safari (7mm Magnum) w/BOSS	SA	4	1-2-3	8	3	Nil	80
BAR Mark 2 Safari (.270) w/BOSS	SA	4	2-3-Nil	8	2	Nil	78
BAR Mark 2 Safari (.30-06) w/BOSS	SA	4	2-3-Nil	8	3	Nil	74
BAR Mark 2 Safari (.300 Magnum) w/BOSS	SA	5	1-2-3	8	3	Nil	85
BAR Mark 2 Safari (.338 Magnum) w/BOSS	SA	6	1-2-Nil	8	3	Nil	97
BAR Mark 3 Safari (.25-06)	SA	4	1-2-3	7	3	Nil	74
BAR Mark 3 (7mm Magnum)	SA	4	1-2-3	7	4	Nil	80
BAR Mark 3 (.270)	SA	4	2-3-Nil	7	3	Nil	78
BAR Mark 3 (.30-06)	SA	4	2-3-Nil	7	4	Nil	74
BAR Mark 3 (.300 Magnum)	SA	5	1-2-3	7	4	Nil	85
BAR Mark 3 (.338 Magnum)	SA	6	1-2-Nil	7	4	Nil	97
BAR Mark 3 (.25-06) w/BOSS	SA	4	1-2-3	7	2	Nil	74
BAR Mark 3 (7mm Magnum) w/BOSS	SA	4	1-2-3	8	3	Nil	80
BAR Mark 3 (.270) w/BOSS	SA	4	2-3-Nil	8	3	Nil	78
BAR Mark 3 (.30-06) w/BOSS	SA	4	2-3-Nil	8	3	Nil	74
BAR Mark 3 (.300 Magnum) w/BOSS	SA	5	1-2-3	8	3	Nil	85
BAR Mark 3 (.338 Magnum) w/BOSS	SA	6	1-2-Nil	8	3	Nil	97
BAR Mark 3 Stalker (.243)	SA	3	2-Nil	7	3	Nil	64
BAR Mark 3 Stalker (.30-06)	SA	4	2-3-Nil	7	4	Nil	67
BAR Mk 3 DBM/DBM Wood	SA	4	2-3-Nil	6	4	Nil	49

Browning BAR-22

Notes: Basically a BAR sporting rifle in rimfire, the BAR-22 is a virtual small-caliber copy of the standard BAR, except that the magazine is tubular instead of a removable box and the receiver housing is of light alloy. The read sight folds down and front sight is gold-colored to help obtain a good sight picture. The receiver housing is milled to reduce light flare from it. The BAR-22 was produced from 1977-1985, along with a more luxurious version called the BAR-22 Grade II (from 1981 to 1985).

Weapon	Ammunition	Weight	Magazines	Price
BAR-22	.22 Long Rifle	2.85 kg	15 Tubular	\$253

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
BAR-22	SA	1	Nil	5	1	Nil	41

Browning Buck Mark Sporter Carbine

Notes: Introduced in 2001, this is basically a Buck Mark pistol to which a stock, longer barrel, and fore-end have been attached. The stock is partially skeletonized, to allow use of the (standard) Buck Mark pistol grip; the weapon also uses standard Buck Mark magazines. The stock is permanently attached and is not easily removed. The front sight has a florescent plastic bead to aid in aiming. There are several versions other than the standard version: the Classic Carbon, which has a carbon fiber barrel and a gray stock (still wooden/skeletonized); the Classic Target, with a bull barrel; and the Target, with a heavy barrel.

Twilight 2000 Notes: This weapon does not exist.

Weapon	Ammunition	Weight	Magazines	Price
Buck Mark Sporter Carbine	.22 Long Rifle	1.99 kg	10	\$230
Buck Mark Classic Carbon	.22 Long Rifle	1.65 kg	10	\$231
Buck Mark Classic Target	.22 Long Rifle	2.5 kg	10	\$240

Buck Mark Target	.22 Long Rifle	2.44 kg	10
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Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Buck Mark Sporter Carbine	SA	1	Nil	5	1	Nil	37
Buck Mark Classic Carbon	SA	1	Nil	5	1	Nil	37
Buck Mark Classic Target	SA	1	Nil	5	1	Nil	39
Buck Mark Target	SA	1	Nil	5	1	Nil	38

Browning High-Power Semiautomatic Rifle

Notes: This was a pretty high-powered semiautomatic rifle back in 1900 when John Browning first designed it. It was not produced until 1910, and built from 1910-14, and then again from 1921-31. The same design was licensed to Remington, and produced as the Remington Model 8. The Browning version, however, has an aiming rib above the barrel and a leaf rear-sight. This weapon was a pretty advanced design for the time.

Weapon	Ammunition	Weight	Magazines	Price
High-Power SA Rifle	.35 Remington	3.54 kg	5	\$1709

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
High-Power SA Rifle	SA	5	2-3-Nil	7	4	Nil	72

Browning New BAR

Notes: The New BAR is an update of the BAR sporting rifle above. The stock no longer has the humpback stock of the earlier design, instead having a conventional drop stock, and a fore-end with deep finger flutes to enable a positive grip. The basic operation is the same, but the action is more compact, resulting in a shorter and lighter weapon. The New BAR has iron sights, but is also dripped and tapped for a scope; the rear sight is well forward, ahead of the receiver, while front sight is hooded to protect it. The pistol grip wrist and fore-end are also checkered. The weight of the weapon, though lighter than the original BAR, helps tame the recoil of some of the powerful cartridges it fires, as does the thick recoil pad on the butt. The trigger pull is described by one author as both creepy and mushy. There are three versions: the Short-Trac, the Short-Trac Magnum, and the Long-Trac, which are differentiated primarily in the rounds they are chambered for.

Twilight 2000 Notes: This rifle does not exist.

Weapon	Ammunition	Weight	Magazines	Price
New BAR Short-Trac	.243 Winchester	3.01 kg	5	\$817
New BAR Short-Trac	7.62mm NATO	3.01 kg	5	\$1104
New BAR Short-Trac Magnum	.270 Winchester Short Magnum	3.35 kg	5	\$994
New BAR Short-Trac Magnum	7mm Winchester Short Magnum	3.35 kg	5	\$1026
New BAR Short-Trac Magnum	.300 Winchester Short Magnum	3.35 kg	5	\$1149
New BAR Long-Trac	.270 Winchester	3.15 kg	5	\$1123
New BAR Long-Trac	.30-06 Springfield	3.15 kg	5	\$1290
New BAR Long-Trac	7mm Remington Magnum	3.4 kg	5	\$1167
New BAR Long-Trac	.300 Winchester Magnum	3.4 kg	5	\$1850

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
New BAR Short-Trac (.243)	SA	3	2-Nil	6	3	Nil	60
New BAR Short-Trac (7.62mm)	SA	4	2-3-Nil	7	4	Nil	72
New BAR Short Trac Magnum (.270)	SA	4	1-2-3	7	4	Nil	85
New BAR Short Trac Magnum (7mm Short Magnum)	SA	4	1-2-3	7	4	Nil	87
New BAR Short Trac Magnum (.300 Short Magnum)	SA	5	1-2-3	7	4	Nil	92
New BAR Long-Trac (.270)	SA	4	2-3-Nil	7	4	Nil	55
New BAR Long-Trac (.30-06)	SA	4	2-3-Nil	7	4	Nil	62
New BAR Long-Trac (7mm Magnum)	SA	4	1-2-3	7	4	Nil	78
New BAR Long-Trac (.300 Magnum)	SA	5	2-3-Nil	7	4	Nil	81

FN FN-15

Notes: This is a family of AR-based rifles designed for a variety of sporting uses, from hunting to target shooting to competitions like 3-Gun competitions. The design also has military and police uses, with the DMR designed specifically for military use. All versions are accurized.

The basic version, the FN-15 MOE SLG, is equipped with a Magpul MOE package, including an M-LOK handguard, a removable rear sight and fixed front sight that are Magpul-modified A2 sights. The sliding stock and pistol grip are part of the MOE SL package; they are basic shorts of stocks and grips, though more ergonomic than one might find on a standard AR. The charging handle and

magazine release are designed to be more ergonomic. The 16-inch barrel has a military profile and a standard A2-type flash suppressor.

The FN-15 Sporting is basically an FN-15 MOE SLG modified for greater accuracy; it is meant to be a hunting weapon, but is equally adept for target shooting. The 18-inch barrel is match-grade, cold hammer forged, has a chromed bore, and is tipped with a SureFire ProComp 556 muzzle brake. The trigger is a Timney competitive trigger, and is two-stage. The grip is the same MOE grip as on the MOE SLG, but the sliding stock is a Magpul CTR stock with more mass than the MOE SLG, and with larger unlocking levers. The Sporting does not come with iron sights, but does have a full-length Picatinny rail atop the receiver and extending to the gas block. The handguard is a Samson Evolution 15-inch.

The FN-15 Rifle is essentially the AR-15A2 given the FN Treatment. The stock is A2, except for the compartment in the butt for a cleaning kit and the metal buttplate. The top of the receiver has a MIL-STD-1913 rail, and the carrying handle (with rear sight) is removable. The front sight is a standard A2 post. The barrel is 20 inches. The Carbine is similar in concept to the AR-15A2 Carbine. Furniture is in many identical to the rifle, but the Carbine has a sliding stock (a standard AR stock), and the handguards are slightly oval in cross-section. Barrel length is 16 inches, tipped with A2 flash suppressor. Though a commemorative model, The FN-15 1776 has special markings and slightly better components. The 16-inch barrel is of alloy steel, and tipped with an A2 flash suppressor. The top of the receiver has a MIL-STD-1913 rail; atop the gas block is a very short section of rail for installation of sights. The 1776 is very similar to the Carbine; most of what it a 1776 is the special markings, though it is much lighter.

The Tactical is one of two designed to appeal to the military and police as well as civilians. (The possible military use leaves open a possible full auto capability, and I have included this below just for general interest.) The Tactical has a Magpul MOE SL sliding stock, and an MOE grip. The stock, however, has a recoil pad on the butt. The 16-inch barrel has a match-grade barrel, cold hammer forged, and free floating, and tipped with an FN-designed three-prong open flash suppressor. The controls are modified to be more ergonomic. Atop the receiver and handguard is a continuous MIL-STD-1913 rail; under the handguard is another one. The Tactical is obviously useful for DMR applications, and also by competition shooters (especially those in 3-Gun). The DMR is designed for military designated marksmen, as well as police snipers; it has obvious competition uses. It has the same handguard as the Tactical, and the lower rail is short, about enough for a bipod or light. Removable, folding iron sights are provided -- Magpul MBUS Pro sights. The barrel is 18 inches, but built to the same specs as the Tactical, and is tipped with a Surefire ProComp 556 muzzle brake. A recoil pad is provided.

Weapon	Ammunition	Weight	Magazines	Price
MOE SLG	5.56mm NATO	3.08 kg	5, 10, 20, 30	\$587
Sporting Rifle	5.56mm NATO	3.49 kg	5, 10, 20, 30	\$656
Carbine	5.56mm NATO	3.62 kg	5, 10, 20, 30	\$608
1776	5.56mm NATO	3.15 kg	5, 10, 20, 30	\$586
Tactical	5.56mm NATO	2.99 kg	5, 10, 20, 30	\$588
DMR	5.56mm NATO	2.99 kg	5, 10, 20, 30	\$675
		3.27 kg	5, 10, 20, 30	\$736

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
FN MOE SLG	SA	3	1-Nil	4/6	3	Nil	41
Sporting Rifle	SA	3	1-Nil	5/6	2	Nil	50
Carbine	SA	3	1-Nil	6	2	Nil	56
1776	SA	3	1-Nil	4/6	2	Nil	40
Tactical	5	3	1-Nil	4/6	3	6	43
DMR	SA	3	1-Nil	4/6	2	Nil	51

FN FNAR

FN describes the FNAR as “descending from the legendary Browning Automatic Rifle” (the sporting rifle version above, not the automatic rifle). The FNAR is chambered only for 7.62mm NATO, but the design is beefed up for heavier use and to withstand more abuse. The stock is synthetic and has a true pistol grip instead of a pistol grip wrist; the pistol grip is textured. The stock has a sling swivel on the butt and as part of the lower MIL-STD-1913 rail at the front; this frontal sling swivel can be removed, and the mount used to attach a bipod. The receiver is of 7075 T6 aircraft aluminum and is topped by a MIL-STD-1913 rail, and there are rails on the sides of the handguards and bottom for accessories. The stock may be adjusted by length of pull by use of spacers. The magazine well is flared for quick reloads. The barrel may be 16 or 20 inches and is of light contour and fluted for strength. The magazine release and crossbolt safety are ambidextrous. The bold handle is extended for easier utility, though not extended enough as to provide an obstruction or hang up on something. The standard rifle has no iron sights, relying on sighting equipment mounted on the receiver rail.

The FNAR Match is a variant of the FNAR designed for target shooting as well as use as a designated marksman’s tool and a policeman’s tactical rifle, as well as by hunters looking for a more accurate weapon. The FNAR Match features a 20” cold hammer-forged fluted match-quality barrel with a target crown and hard-chromed bore. The stock and furniture is designed by McMillan, and has an adjustable cheekpiece, a length of pull adjustable by spacers, and three sling swivels. The receiver is of aircraft-quality aluminum, and is topped, like the standard FNAR, with a MIL-STD-1913 rail. There are mounting points for rails on the front sides of

the fore-end as well as the bottom, though these are optional and not included with the basic FNAR Match. The magazine release is ambidextrous; the safety is a crossbolt safety. The bolt release lever is extended for easier reach.

The FNAR Heavy Barrel is essentially the same as the standard FNAR, but has a heavy-profile cold hammer-forged fluted barrel with a hard-chromed bore and target crown as standard. The cheekpiece is not adjustable *per se*, but the FNAR Heavy Barrel comes with three interchangeable combs to mount on the stock. The FNAR Heavy Barrel is quite useful as a designated Marksman's or police tactical sniper rifle, as the heavy barrel and extra weight lead to greater accuracy and less barrel jump.

Weapon	Ammunition	Weight	Magazines	Price
FNAR (16" Barrel)	7.62mm NATO	3.87 kg	5, 10, 20	\$996
FNAR (20" Barrel)	7.62mm NATO	4 kg	5, 10, 20	\$1039
FNAR Match	7.62mm NATO	4.45 kg	5, 10, 20	\$1041
FNAR Heavy Barrel (16" Barrel)	7.62mm NATO	4.39 kg	5, 10, 20	\$1003
FNAR Heavy Barrel (20" Barrel)	7.62mm NATO	4.54 kg	5, 10, 20	\$1043

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
FNAR (16")	SA	4	2-3-Nil	6	4	Nil	46
FNAR (20")	SA	4	2-3-Nil	7	4	Nil	65
FNAR Match	SA	4	2-3-Nil	7	4	Nil	66
FNAR Heavy Barrel (16")	SA	4	2-3-Nil	6	3	Nil	49
FNAR Heavy Barrel (20")	SA	4	2-3-Nil	7	3	Nil	67

IMBEL MD-22A1

Notes: This is a similar concept to the Argentine FAL Cal .22, being an FN FAL modified to fire the .22 Long Rifle cartridge. The MD-22A1 is much lighter than a normal FAL, and uses a smaller magazine (again, like the FAL Cal .22, a .22 Long Rifle magazine inside the body of a false FAL magazine), but the balance and mechanical operation of the weapon is close enough to a normal FAL to make it adequate for basic rifle marksmanship and care training. Unlike the Argentine weapon, the MD-22A1 is the result of a specific manufacture instead of being the result of a conversion kit.

Twilight 2000 Story: Like the Argentines, the Brazilians started handing out these weapons to irregular forces in Brazil starting a few months earlier than the Argentines; some of these weapons even made it to tribes such as the Yanamamo deep inside the Amazon rain forests, where they were mostly used for hunting small prey like monkeys, or scaring off jaguars. It was also widely available in South and Central America in the years before the war for civilian and military sales.

Weapon	Ammunition	Weight	Magazines	Price
MD-22A1	.22 Long Rifle	4.14 kg	10	\$271

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
MD-22A1	SA	1	Nil	7	1	Nil	43

Taurus 63

Notes: The Taurus Model 63 is an almost exact copy of the old Winchester Model 63, which was one of the first autoloading small-caliber rifles. The chief difference is the use of .22 Long Rifle ammunition instead of the old .22 Winchester Automatic ammunition of the Winchester 63 and its predecessor, the Winchester 1903. (Versions of the Taurus Model 63 in Winchester Magnum Rimfire and .17 Hornady Magnum Rimfire are forthcoming, and statistics are presented below.) The rifle, like its predecessors, is fed from a tubular magazine that is in the buttstock instead of under the barrel. Loading is simple; the magazine is pulled out to the rear of the stock and rounds dropped into the reloading slot on the right side of the stock. Field stripping is very simple; most cleaning can be done by separating the weapon into upper and lower receivers. The part under the barrel that looks like a tubular magazine is actually the charging plunger. The rear sight is adjustable for elevation and the front sight for windage. Though not a combat rifle, the Model 63 is an effective plinker, target shooter, and varmint.

Weapon	Ammunition	Weight	Magazines	Price
Taurus 63	.22 Long Rifle	2.04 kg	10 Tubular	\$281
Taurus 63	.22 Winchester Magnum Rimfire	2.17 kg	10 Tubular	\$302
Taurus 63	.17 Hornady Magnum Rimfire	2.05 kg	10 Tubular	\$282

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Taurus 63 (.22 Long Rifle)	SA	1	Nil	5	1	Nil	46
Taurus 63 (.22 Magnum)	SA	1	Nil	6	1	Nil	72
Taurus 63 (.17)	SA	1	Nil	5	1	Nil	72

Taurus CT

Notes: Also known as the CTG-29, the CT-9 is designed not only as a civilian carbine, but something that might be useful for police and as a CQB platform. The carbine uses the blowback carbine and fires from a closed bolt. Atop the receiver is a full-length MIL-STD-1913, one that runs the length of the receiver, the upper handguard, to the end of the gas block. There is a further rail as the front of the handguard which extends from the front of the handguard back about half the length of the handguard. The handguard can accommodate two other rails as the 3 and 9-o'clock positions. The CT series comes with a BUIS set with a fully adjustable rear sight and a square post front sight which is hooded. The charging handle and controls can be reversed to accommodate left or right-handed shooters. The CT-9 has a 16-inch barrel and is about as long as an AR-15 and lighter than one. Magazines are loaded into the grip, but are not standard pistol magazines.

The CT-40 (CTG-40) is basically the same as the CT-9, but fires a heavier cartridge.

Weapon	Ammunition	Weight	Magazines	Price
CT-9	9mm Parabellum	2.99 kg	10	\$274
CT-40	.40 Smith & Wesson	3.2 kg	10	\$311

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
CT-9	SA	2	1-Nil	5	1	Nil	35
CT-40	SA	2	1-1-Nil	5	2	Nil	44

BSA Armatic

Notes: This replacement for the Ralock is a much more conventional design, with a conventional box magazine and dispensing with the complex radial-locking mechanism. It fired from a closed breech instead of the open breech of the Ralock. The Armatic is grooved for a scope mount. Despite being produced from 1963-1969, only about 5000 were built.

Weapon	Ammunition	Weight	Magazines	Price
Armatic	.22 Long Rifle	2.49 kg	10	\$253

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Armatic	SA	1	Nil	5	1	Nil	41

BSA Ralock

Notes: The Ralock (Radial-Locking) is a small-caliber sporting rifle made by BSA for a few years following World War 2 (1949-51). It is an interesting design, meant to be taken apart easily and stored in a small package. It was also cocked by pushing forward on the trigger guard instead of having a normal charging handle or lever. It used a tubular magazine in the butt.

Weapon	Ammunition	Weight	Magazines	Price
Ralock	.22 Short	2.68 kg	12 Tubular	\$263
Ralock	.22 Long Rifle	2.72 kg	8 Tubular	\$271

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Ralock (.22 Short)	SA	-2	Nil	5	1	Nil	36
Ralock (.22 Long Rifle)	SA	1	Nil	5	1	Nil	45

Arsenal SLR

Notes: This is a family of semiautomatic civilian rifles which is based on the AR series. They share the same basic stock and mechanism, but have differing barrel lengths, weight, chamberings, and (in some cases) plastic magazines. The SLR-100 was the first to be introduced; it is fed by a plastic magazine and is equipped with a polymer thumbhole (or more like a handhole) stock which consists of what is basically a conventional pistol grip joined to the stock by a polymer strip. The metal parts of the rifle are from solid high-grade steel. The barrel is equipped with a muzzle brake. The weapon has a mount for a telescopic sight. The SLR-95 and SLR-96 are basically the same weapon, but are chambered for 7.62mm Kalashnikov; the SLR-96 is just a little heavier than the SLR-95. The SLR-97 Lux is also basically the same weapon, but has a longer barrel and wooden stock carved with various figures and designs. The SLR-101, while basically similar to the other 7.62mm SLR's, is slightly shorter in the stock and is fed by a single-stack magazine which is not interchangeable with those of the other 7.62mm rifles (they use shorter staggered magazines).

Twilight 2000 Notes: These rifles do not exist in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
SLR-100	5.56mm NATO	3.57 kg	5	\$610
SLR-95	7.62mm Kalashnikov	3.56 kg	5	\$853
SLR-96	7.62mm Kalashnikov	3.76 kg	5	\$853
SLR-97 Lux	7.62mm Kalashnikov	3.96 kg	5	\$890
SLR-101	7.62mm Kalashnikov	3.56 kg	5	\$853

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
SLR-100	SA	3	1-Nil	5	2	Nil	41
SLR-95 & 96	SA	4	2-Nil	6	3	Nil	46
SLR-97 Lux	SA	4	2-3-Nil	6	3	Nil	60
SLR-101	SA	4	2-Nil	6	3	Nil	46

Lakefield Model 64B

Notes: This small-caliber rifle is similar to many such rifles being marketed today. It was produced in Canada by Lakefield from 1990-96, when production passed to Savage in the US (called the Savage 64-F). It is a typical modern small-caliber rifle, with a walnut half-stock, pistol-grip wrist, and a receiver grooved for sights.

Twilight 2000 Notes: Production never passed to Savage; these rifles were still being manufactured many years after the Twilight War in Quebec.

Weapon	Ammunition	Weight	Magazines	Price
Model 64B	.22 Long Rifle	2.55 kg	10	\$253

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Model 64B	SA	1	Nil	5	1	Nil	41

Small Bore Cadet Rifle

Notes: This weapon is an almost exact copy of the C-7 assault rifle, with the only significant differences being the modifications necessary to allow it to fire .22 Long Rifle ammunition. As with most such weapons, the Canadians did this to reduce the costs of marksmanship training, maintenance of skills, and teaching of the basic care of the weapon; this can be particularly effected when used as a substitute for firing a 5.56mm NATO weapon, as the recoil forces produced are not a great deal more, and though the .22 Long Rifle round is not capable of nearly the range of the 5.56mm NATO round, the trajectory of the round is similar. A kit was also produced to convert existing C-7 or M-16-series weapons to this configuration. The weapon is fed by an insert that is placed into a standard C-7 magazine.

Twilight 2000 Notes: As with such weapons in several other countries, the Small Bore Cadet Rifles were eventually used as emergency issue to civilian militia and irregular forces, but in Canada, this occurred far later, with mass issue not really seen until nearly the middle of 2001. Some of them were still found in the hands of hunters and children learning firearms over 40 years after the Twilight War.

Weapon	Ammunition	Weight	Magazines	Price
Small Bore Cadet Rifle	.22 Long Rifle	3.3 kg	10, 15	\$262

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Small Bore Cadet Rifle	SA	1	Nil	6	1	Nil	41

CZ-512

Notes: This new rimfire rifle (introduced in 2011) is designed to provide a high-quality rimfire rifle that provides a long service life, better-than-average accuracy, and safe handling. Operation is by blowback, like many rimfire weapons. However, the CZ-512 has a manual safety as well as several passive safeties to guard against accidental discharge. The iron sights provided are fully adjustable in the front and rear; the rear sight is in the "scout" position and the front is protected by a large hood. The iron sights are designed to be easily read and adjusted. In addition, special rails atop the receiver as well as grooving and tapping allow for the attachment of most civilian scopes. The stock is of beech, making it a little less expensive than comparable designs; it is, however, lacquered to the point of making it look like more expensive wood. The 20.6-inch barrel is cold hammer-forged and provides a bit of an edge in accuracy. While the furniture is wood, most of the receiver is made from high-strength polymer, lightening weight. Sling swivels are standard.

Weapon	Ammunition	Weight	Magazines	Price
CZ-512	.22 Long Rifle	2.67 kg	5	\$262
CZ-512	.22 Winchester Magnum Rimfire	2.71 kg	5	\$283

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
CZ-512 (.22 Long Rifle)	SA	1	Nil	5	1	Nil	43
CZ-512 (.22 Magnum)	SA	1	Nil	5	1	Nil	55

ZKW-561

Notes: Though this rifle was designed by the Koucky brothers, it was manufactured by CZ. It is a compact semiautomatic rimfire rifle which can easily be stripped and serviced without tools. The stock of the rifle is similar to a smaller version of that on the ZK-420 battle rifle. It has a small aperture rear sight and a blade front sight, but is meant to be used with a scope – mounting a scope is quite easy on this rifle.

Later, the ZKW-561 was refined by CZ into the CZ-511, and sold in large numbers. The CZ-511 has a beechwood half-stock with a refined pistol grip wrist, a two-position rear sight, and a threaded muzzle for use with a silencer or suppressor.

Weapon	Ammunition	Weight	Magazines	Price
ZKW-561	.22 Long Rifle	2.72 kg	8, 16	\$273
CZ-511	.22 Long Rifle	2.45 kg	8	\$272

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
ZKW-561	SA	1	Nil	5	1	Nil	45
CZ-511	SA	1	Nil	5	1	Nil	45

Arms Corporation (Armscorp) AK-22

Notes: This one is actually a pretty good external copy of an AK-47 -- unlike the Squibman M-16 series, is actually looks like an AK-47 outwardly. Of course, internally it is quite different, as befits the different cartridge. The magazine and well, are occupied with what looks like a 10-round AK training/grenade launching magazine, but has an internal cutout for a 15-round magazine or a 10-round magazine with a block in it. The barrel is 18.5 inches, the furniture of mahogany, and the sights similar to those of a genuine AK, except for the alterations necessary for the .22 Long Rifle cartridge.

The base weapon is the AK-22S, but a version called the AK-22F has a folding steel butt, also virtually identical to that of a genuine AK-series weapon.

Weapon	Ammunition	Weight	Magazines	Price
AK-22S	.22 Long Rifle	3.18 kg	10, 15	\$235
AK-22F	.22 Long Rifle	3.38 kg	10, 15	\$265

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
AK-22S	SA	1	Nil	5	1	Nil	38
AK-22F	SA	1	Nil	3/5	1	Nil	38

Arms Corporation M-14

Notes: The M-14 (also known as the M-1400) is a basic bolt-action rimfire sporter. It is essentially unremarkable except for its source. The M-14P is the base model; its sights are very simple, and the stock is made of cheap wood and is plainly finished without any sort of checkering. The M-14D is a deluxe model; it has adjustable sights and checkering on the pistol grip and fore-end. (It is identical to the M-14P for game purposes.) The M-14LW has a stock made of lightweight mahogany wood, a hard rubber buttplate (not a pad), checkering on the pistol grip, and the ability to take a 10-round magazine. The M-14SC is a deluxe model distinguished primarily by its American walnut stock and jeweled bolt (identical for game purposes to the M-14P). The M-15P chambers the .22 Winchester Magnum Rimfire cartridge. The M-15LW is the magnum equivalent to the M-14LW, and the M-15SC is the magnum equivalent of the M-14SC.

The M-18 (or M-1800) is a rare variant of the M-1500, produced only in the few hundreds in number from 1986-87. The M-18 has mahogany furniture, a checkered pistol grip wrist and a Monte-Carlo-type stock, and adjustable front and rear sights as well as being drilled and tapped for a scope mount. The barrel was 23 inches long. Though there was considerable interest in the M-18 at first, the base M-15 design proved to be unable to handle the increased power and chamber pressure of the .22 Hornet round it fired, despite the modifications to the bolt and chamber that Armscorp made to combat this problem, and it was soon withdrawn from the market.

Weapon	Ammunition	Weight	Magazines	Price
M-14P	.22 Long Rifle	2.72 kg	5	\$294
M-14LW	.22 Long Rifle	2.45 kg	5, 10	\$294
M-15P	.22 Winchester Magnum Rimfire	2.95 kg	5	\$311
M-15LW	.22 Winchester Magnum Rimfire	2.65 kg	5, 10	\$311
M-18	.22 Hornet	2.99 kg	5	\$541

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
M-14P/LW	BA	1	Nil	5	1	Nil	51

M-15P/LW	BA	1	Nil	5	1	Nil	61
M-18	BA	1-Nil	6	3	Nil	67	1-Nil

Arms Corporation M-20

Notes: This is essentially the action of the Squibman M-16 placed into a more conventional stock and given a longer barrel of 20.75 inches. The receiver is grooved for a telescopic sight, and aperture-and-post sights are also fitted. The M-20P is the basic rifle; the M-20D is a deluxe version of this rifle, the M-20S is more deluxe, and the M-20SC is even more deluxe. The M-20C has a stock similar to the M-1 Carbine, and a barrel of only 16.5 inches; the rear sight is also a leaf-type sight.

Weapon	Ammunition	Weight	Magazines	Price
M-20P	.22 Long Rifle	2.63 kg	10, 15	\$271
M-20C	.22 Long Rifle	2.41 kg	10, 15	\$228

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
M-20P	SA	1	Nil	5	1	Nil	47
M-20C	SA	1	Nil	4	1	Nil	37

Arms Corporation M-50S

Notes: The M-50S (called the PPS-50 prior to 1991) is another loose rimfire adaptation of a military weapon – this time, Russian submachineguns such as the PPSH-41 and PPS-43. The M-50 uses a 16.5-inch barrel surrounded with a ventilated barrel shroud and a muzzle brake similar to that of the PPSH-41 and PPS-43 (though it has basically no effect in a .22 Long Rifle-firing weapon). Construction is almost entirely all-steel, with a wooden stock and pistol grip. Standard magazines sold with the M-50 were box magazines holding 10, 25, or 30 rounds, but a 71-round drum was also manufactured for a short time, in small numbers.

Weapon	Ammunition	Weight	Magazines	Price
M-50S	.22 Long Rifle	3.04 kg	10, 25, 30, 71 Drum	\$240

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
M-50S	SA	1	Nil	5	1	Nil	34

Squibman (Arms Corporation) M-16

Notes: Also known as the M-1600 series, this weapon was specifically designed to produce a weapon that has a military look without actually being a viable military weapon under most circumstances. A loose approximation of the design of the M-16 series, the Squibman M-16 fires .22 Long Rifle ammunition, and company advertisements tout the large amount of difficulty that one will encounter trying to convert it to automatic fire. It looks similar to, but not identical to an actual M-16, and is constructed so that trying to convert it to fire a 5.56 NATO cartridge and fire on automatic would be quite difficult and probably cost more than actually buying a real M-16. It is meant for people in countries where weapons that look sort of like military weapons are allowed, but even civilian versions off military weapons are prohibited. It is not meant for anything more than plinking or light hunting. Barrel length is 18.25 inches, and the sights are aperture sights similar to those of the AR-15.

The M-16R has a retractable M-4-style folding stock. The M-16C is also nearly identical, but has a longer barrel. The M-16W was a variant of the M-16P that used a wooden stock and handguard. The M-16R was discontinued in 1994; the M-16C and M-16W were produced only from 1986-87, and are comparatively rather rare.

"Squibman" is a contraction of "Squires, Bingham, & Co.," the company name prior to 1980. These rifles continued to be known as Squibmans after 1980s, despite the change of the company's name to Arms Corporation.

Weapon	Ammunition	Weight	Magazines	Price
Squibman M-16P	.22 Long Rifle	2.72 kg	10, 15	\$244
Squibman M-16R	.22 Long Rifle	2.72 kg	10, 15	\$264
Squibman M-16C	.22 Long Rifle	2.78 kg	10, 15	\$256
Squibman M-16W	.22 Long Rifle	2.92 kg	10, 15	\$234

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Squibman M-16P	SA	1	Nil	5	1	Nil	38
Squibman M-16R	SA	1	Nil	3/5	1	Nil	38
Squibman M-16C	SA	1	Nil	5	1	Nil	40
Squibman M-16W	SA	1	Nil	5	1	Nil	38

Valmet Petra

Notes: This was an attempt to make a sporting rifle out of the M-76 assault rifle. The caliber was changed, along with the necessary changes to the firing mechanism, chamber, and barrel to accommodate this. The firing mechanism was also changed to semiautomatic-only, and reduced-capacity magazines were used. The Petra has a standard pistol-grip-wrist stock with a rubber recoil pad. The flash suppressor is eliminated. The finish is far better than the military rifle. In the US and Canada, this rifle is known as the Valmet Hunter.

Weapon	Ammunition	Weight	Magazines	Price
Petra	5.56mm NATO	2.72 kg	10	\$639
Petra	.243 Winchester	2.95 kg	10	\$774
Petra	7.62mm NATO	3.67 kg	10	\$1060

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Petra (5.56mm)	SA	3	1-Nil	6	3	Nil	46
Petra (.243)	SA	3	2-Nil	6	3	Nil	43
Petra (7.62mm)	SA	4	2-3-Nil	6	4	Nil	52

Gevelot Model A/E

Notes: This rifle, built between 1960 and 1975, is a semiautomatic rimfire rifle that is typical for rifles of this pattern. It uses a checkered half-stock with a pistol grip wrist, and tangent-leaf sights. The basic model is the A-3; the A-6 is the same weapon with a plain stock (no checkering on the handguard and pistol grip), and a simple spring-leaf sight. The A-7 Also has a plain stock, but uses the tangent-leaf rear sight and a tunnel-type front sight, and fires from a closed bolt. The Model A Rafale is an odd variation; it is a selective fire version of the A-3. The Model E is a "carbine" variant, with a shorter stock and shorter barrel.

Weapon	Ammunition	Weight	Magazines	Price
Model A-3/6/7	.22 Long Rifle	2.84 kg	8	\$267
Model A Rafale	.22 Long Rifle	3.12 kg	8	\$272
Model E	.22 Long Rifle	2.78 kg	8	\$243

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Model A-3/6/7	SA	1	Nil	5	1	Nil	44
Model A Rafale	5	1	Nil	5	1	2	44
Model E	SA	1	Nil	5	1	Nil	40

Manufrance Carabine Reina

Notes: This semiautomatic rimfire rifle was built between 1954 and 1975. It uses a one-piece half-stock with a Monte Carlo comb. This weapon was actually issued to French prison guards until replaced in 1971 by the MAS-49/56. The basic version is the Model 446; the Model 450 is similar, but has a longer barrel, a cheekpiece on the Monte Carlo stock, and a tangent-leaf rear sight.

Weapon	Ammunition	Weight	Magazines	Price
Carabine Reina 446	.22 Long Rifle	2.2 kg	8, 15	\$276
Carabine Reina 450	.22 Long Rifle	2.49 kg	8, 15	\$284

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Carabine Reina 446	SA	1	Nil	5	1	Nil	45
Carabine Reina 450	SA	1	Nil	5	1	Nil	46

Unique X-51

Notes: This is a basically ordinary semiautomatic rimfire rifle with a pistol-grip stock. An unusual feature was the charging handle, which was a plunger in the front of the fore-end. The magazine housing and the trigger housing are one unit. Normal barrels were 19.7 inches, but a 23.6-inch barrel could also be had. Variants include the F-11, which is mechanically virtually the same rifle but done over to look like an FA-MAS; the G-21 used a conventional charging handle on the right side of the receiver, military-style sights, and a short barrel; and the X-51-bis, which is a deluxe version that has superseded the original model.

Weapon	Ammunition	Weight	Magazines	Price
X-51 (19.7" Barrel)	.22 Long Rifle	2.4 kg	5	\$247
X-51 (23.6" Barrel)	.22 Long Rifle	2.6 kg	5	\$287

French Semiautomatic Sporting Rifles

F-11	.22 Long Rifle	3.76 kg	10, 20	\$261
G-21	.22 Long Rifle	2.65 kg	2, 5, 10	\$229
X-51-bis	.22 Long Rifle	2.7 kg	2, 5, 10	\$287

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
X-51 (19.7")	SA	1	Nil	5	1	Nil	40
X-51 (23.6")	SA	1	Nil	6	1	Nil	47
F-11	SA	1	Nil	4	1	Nil	40
G-21	SA	1	Nil	5	1	Nil	37
X-51-bis	SA	1	Nil	6	1	Nil	47

Anschutz 520

Notes: This semiautomatic rimfire rifle has an unusual stock that is more akin to military rifles, in that the fore-end and rear stock are separated by the receiver. It has an adjustable trigger and simple leaf rear sights. Variants include the Model 520/61, a longer version; the model 525, a shorter version with a wooden barrel guard and a simple peep sight; and the 525/62, a longer-barreled version of the 525; and several deluxe versions.

Weapon	Ammunition	Weight	Magazines	Price
Anschutz 520	.22 Long Rifle	2.85 kg	10	\$267
Anschutz 520/61	.22 Long Rifle	2.9 kg	10	\$291
Anschutz 525	.22 Long Rifle	2.8 kg	10	\$251
Anschutz 525/61	.22 Long Rifle	3 kg	10	\$291

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Anschutz 520	SA	1	Nil	5	1	Nil	44
Anschutz 520/61	SA	1	Nil	6	1	Nil	48
Anschutz 525	SA	1	Nil	5	1	Nil	41
Anschutz 525/61	SA	1	Nil	6	1	Nil	48

Anschutz MSR RX-22

Notes: Unlike anything Anschutz has produced before, the RX-22 looks more like an assault rifle than the target rifles that Anschutz normally makes. As a matter of fact, it looks to me like a stubby version of an FN SCAR. Anschutz says that the RX-22 is not a plinker, but “an extremely accurate and reliable tactical trainer.” This does not obviate the fact that it would have equal utility as a varmint rifle or a plinker, or a target rifle. Anschutz has been a bit cagey as to whether it is an Anschutz-produced product, but insists that the RX-22 is “designed and fabricated by Anschutz,” with all-Anschutz parts “where it counts.” The weapon does have a resemblance to the ISSC MK-22. Strange.

Regardless, the RX-22 is an excellent rifle, becoming popular in the segment of the market who wants a good-looking (and military-looking) rimfire rifle. The match-quality 16.5-inch barrel is crafted from a chrome-vanadium-moly steel alloy and is rumored to be cold-hammer forged. Where legal, the RX-22 can be had with a threaded muzzle to allow it to be used with a flash suppressor, silencer, or muzzle brake. Where it is not legal, the muzzle has a target crown. The upper receiver and handguards have a continuous MIL-STD-1913 rail, along with removable, flip-up BUIS. The sides and the underside of the handguard also have rails. The stock may be laminate wood or polymer, and may be side-folding or fixed. The receiver is polymer, but the handguards may also be wood or polymer. The controls are fully ambidextrous; the charging handle may be moved into one of three positions to suit the stature of the shooter. Finish for the exposed metalwork is black, except for the steel barrel, which has a natural finish. The receiver and handguards may be black with a wooden fore-end and side-folding stock (the Precision Black); a black lower receiver with a white upper receiver and wooden fore-end and side-folding stock (the Precision); all-black with a fixed stock (the Black Hawk); a similar version with a folding stock (the Black Hawk G), an all Desert Tan version with a fixed stock (the Desert); and the same rifle with a folding stock (the Desert G). These rifles all have rubber recoil pads on the butts. They also have target adjustable-pull-weight triggers. Wooden side-folding stocks and fore-ends can be replaced with polymer versions if desired.

A further version, the Competition has a stock adjustable for length of pull and butt height, a side-folding polymer stock, and a white upper and black lower. The side and lower MIL-STD-1913 rails are absent, but the rifle has sling swivels; the front sling swivel can also be used as a bipod mount, which can be slid up or down the fore-end from front to rear.

Weapon	Ammunition	Weight	Magazines	Price
RX-22 (Folding Stock, Target Crown)	.22 Long Rifle	3.15 kg	5, 10, 20, 25	\$358
RX-22 (Folding Stock, Flash Suppressor)	.22 Long Rifle	3.17 kg	5, 10, 20, 25	\$358
RX-22 (Folding Stock, Muzzle Brake)	.22 Long Rifle	3.33 kg	5, 10, 20, 25	\$408
RX-22 (Folding Stock, Silencer)	.22 Long Rifle	3.35 kg	5, 10, 20, 25	\$402
RX-22 (Fixed Stock, Target Crown)	.22 Long Rifle	3.15 kg	5, 10, 20, 25	\$338
RX-22 (Fixed Stock, Flash Suppressor)	.22 Long Rifle	3.17 kg	5, 10, 20, 25	\$338
RX-22 (Fixed Stock, Muzzle Brake)	.22 Long Rifle	3.33 kg	5, 10, 20, 25	\$387
RX-22 (Fixed Stock, Silencer)	.22 Long Rifle	3.35 kg	5, 10, 20, 25	\$382

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
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RX-22 (Folding Stock, Target Crown)	SA	1	Nil	3/4	1	Nil	36
RX-22 (Folding Stock, Flash Suppressor)	SA	1	Nil	3/4	1	Nil	36
RX-22 (Folding Stock, Muzzle Brake)	SA	1	Nil	3/5	1	Nil	36
RX-22 (Folding Stock, Silencer)	SA	1	Nil	4/5	1	Nil	30
RX-22 (Fixed Stock, Target Crown)	SA	1	Nil	5	1	Nil	36
RX-22 (Fixed Stock, Flash Suppressor)	SA	1	Nil	4	1	Nil	36
RX-22 (Fixed Stock, Muzzle Brake)	SA	1	Nil	5	1	Nil	36
RX-22 (Fixed Stock, Silencer)	SA	1	Nil	5	1	Nil	30

Erma EM-1

Notes: This is a copy of the M-1 Carbine, virtually identical to the real M-1 Carbine except for the caliber and the modifications necessary to fire that caliber. Just as there was a curious (and somewhat unwarranted) fascination with the M-1 Carbine for several decades after World War 2, there was a similar fascination with look-alikes; the EM-1 sold rather well because of it, and it was fairly easy to find in Western Europe and North America. A modification of the EM-1 is the ESG-22; it is an EM-1 modified to fire .22 Winchester Magnum Rimfire ammunition, and has a longer barrel as well as smaller magazines.

Weapon	Ammunition	Weight	Magazines	Price
Erma EM-1	.22 Long Rifle	2.48 kg	2, 5, 10, 15	\$230
Erma ESG-22	.22 Winchester Magnum Rimfire	3.05 kg	2, 5, 10, 12	\$264

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Erma EM-1	SA	1	Nil	5	1	Nil	37
Erma ESG-22	SA	1	Nil	5	1	Nil	50

Heckler & Koch HK-94

Notes: The HK-94 is essentially a civilian version of the MP-5, with the barrel extended to carbine length and modified for semiautomatic fire only (and very difficult to convert to automatic fire). It was built primarily for the US market, and was rarely sold outside of the United States and Canada. Other than the lack of automatic fire capability and the long barrel, there are a few other differences between the MP-5 and HK-94: the barrel lacks lugs, the characteristic "flipper" type magazine release has been replaced by a button, and a few other minor details. The standard version is the HK-94A2, with a plastic stock; the HK-94A3, with a folding stock, was banned by the Brady Gun Bill and has yet to be put back into production (if it ever is).

Weapon	Ammunition	Weight	Magazines	Price
HK-94A2	9mm Parabellum	2.9 kg	15, 30, 40	\$279
HK-94A3	9mm Parabellum	2.95 kg	15, 30, 40	\$299

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
HK-94A2	SA	2	Nil	5	1	Nil	35
HK-94A3	SA	2	Nil	3/5	1	Nil	35

Heckler & Koch HK-270/300

Notes: This is a standard format hunting rifle, popular in the US, Canada, and Europe. It has a light trigger pull, Monte Carlo stock, and has an integral scope mount as well as iron sights. The HK300 is a .22 Winchester Magnum Rimfire version of the same weapon. The HK-270 and HK-300 were introduced in 1978, along with the related centerfire rifles HK-770 and HK-940. They use fine-quality walnut stocks with hog's back combs and squared cheekpieces. Most were made with checkering on the pistol grip wrist and fore-end, and some are elaborately decorated. They are equipped with sling swivels.

Weapon	Ammunition	Weight	Magazines	Price
HK-270	.22 Long Rifle	2.5 kg	2, 5, 20	\$247
HK-300	.22 Winchester Magnum Rimfire	2.59 kg	2, 5, 15	\$268

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
HK-270	SA	1	Nil	5	1	Nil	40

HK-300	SA	1	Nil	5	1	Nil	51
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Heckler & Koch HK-630/770/940

Notes: Despite this weapon's conventional civilian appearance, the HK-770 is basically a G-3 battle rifle in a greatly modified form. Internally, the mechanism would be recognizable to anyone who is familiar with the G-3 (or its HK-91 civilian counterpart), but externally, it is a conventional civilian hunting rifle. The HK-630 is the same weapon, but in 5.56mm NATO caliber; the HK-940 is also the same, but fires the .30-06 Springfield cartridge.

Weapon	Ammunition	Weight	Magazines	Price
HK-630	5.56mm NATO	2.5 kg	2, 4, 10	\$619
HK-770	7.62mm NATO	3.2 kg	2, 3, 10	\$1049
HK-940	.30-06 Springfield	3.11 kg	2, 3, 10	\$1239

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
HK-630	SA	3	1-Nil	7	3	Nil	64
HK-770	SA	4	2-3-Nil	7	4	Nil	73
HK-940	SA	4	2-3-Nil	7	4	Nil	63

Heckler & Koch HK-300

Notes: Heckler & Koch literature claims that this rifle is the most accurate .22 magnum rifle in the world. It is lightweight, and operates by inertia blowback. The cold-hammer forged barrel is 19.7 inches long. The stock is of European walnut and has checkering on the pistol grip wrist and on the fore-end. The iron sights consist of a V-notch rear adjustable for windage and a post front adjustable for elevation. Exterior metalwork is polished blue.

Weapon	Ammunition	Weight	Magazines	Price
HK-300	.22 Winchester Magnum Rimfire	2.59 kg	5	\$238

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
HK-300	SA	1	Nil	5	1	Nil	51

Heckler & Koch SL-6

Notes: This is a standard-format hunting rifle from Heckler and Koch that grew out of earlier H&K hunting rifles such as the HK-270/300/630/770/900 series. They have the famous H&K roller-locking operation and are drilled and tapped for scope. They are excellent-quality weapons. The weapon is perfectly balanced and uses the HK delayed roller-locked action. It has a 17.71-inch barrel which is cold-hammer forged. It has iron sights similar to those on the G-3 battle rifle, and mounting a scope is designed to be simple and for the sight to retain its zero.

The SL-7 is the SL-6's heavier caliber sister weapon, chambered for 7.62mm NATO. It is otherwise identical to the SL-6.

Weapon	Ammunition	Weight	Magazines	Price
SL-6	5.56mm NATO	3.9 kg	2, 4, 10	\$567
SL-7	7.62mm NATO	3.9 kg	2, 3, 10	\$983

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
SL-6	SA	3	1-Nil	6	2	Nil	46
SL-7	SA	4	2-3-Nil	6	4	Nil	48

Heckler & Koch SL-8/SL-8--1

Notes: This is a "civilianized" modification of the G-36 assault rifle. The SL-8-1 version was primarily designed for sale in the US; it has features made to comply with US gun regulations at the time, such as the enclosed pistol grip, lack of a flash suppressor, a non-menacing grey or white color instead of black, and an inability to use anything other than 5, 10, or 20-round magazines, and other such things to make it more palatable to the anti-gun lobby. The SL-8 also has a longer barrel than the G-36, making it a bit more accurate in long-range work. A Picatinny rail, optional on the G-36, is standard on the SL-8 and SL-8-1. The typical SL-8 or SL-8-1 was also sold with a 1.5x sight as part of the purchase price.

Twilight 2000 Story: This weapon does not exist; instead, a "real" civilianized G-36 (a semiautomatic-only model with no other significant changes) is available, even in the US. Use the standard G-36 assault rifle figures, but eliminate the automatic and burst fire features for that weapon.

Weapon	Ammunition	Weight	Magazines	Price
SL-8	5.56mm NATO	3.9 kg	5, 10, 20, 30, 40	\$783
SL-8-1	5.56mm NATO	3.9 kg	5, 10, 20	\$746

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
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SL-8/SL-8-1

SA

3

1-Nil

6

2

Nil

62

Heckler & Koch SLB-2000K/SLB-2000L

Notes: This is a hunting rifle made by Heckler and Koch, with a reputation for excellent quality. It is a standard-format rifle, but built out of high-quality materials, and with the option for seven interchangeable barrels. If a barrel is changed to allow the use of a different caliber of ammunition, the bolt does not have to be changed; however, different magazines are required. The SLB-2000K is a carbine variant with a shorter barrel.

Twilight 2000 Story: This weapon does not exist.

Weapon	Ammunition	Weight	Magazines	Price
SLB-2000K	6.5mm Swedish Mauser	3.4 kg	2, 5, 10	\$846
SLB-2000K	7x64mm Brenneke	3.4 kg	2, 5, 10	\$1060
SLB-2000K	7.62mm NATO	3.4 kg	2, 5, 10	\$1011
SLB-2000K	.30-06 Springfield	3.4 kg	2, 5, 10	\$1199
SLB-2000K	8mm Mauser	3.4 kg	2, 5, 10	\$1191
SLB-2000K	9.3x62mm Mauser	3.4 kg	2, 5, 10	\$1958
SLB-2000L	6.5mm Swedish Mauser	3.5 kg	2, 5, 10	\$866
SLB-2000L	7x64mm Brenneke	3.5 kg	2, 5, 10	\$1080
SLB-2000L	7.62mm NATO	3.5 kg	2, 5, 10	\$1031
SLB-2000L	.30-06 Springfield	3.5 kg	2, 5, 10	\$1219
SLB-2000L	8mm Mauser	3.5 kg	2, 5, 10	\$1211
SLB-2000L	9.3x62mm Mauser	3.5 kg	2, 5, 10	\$2018
SLB-2000K Magnum	.300 Winchester Magnum	3.6 kg	2, 5, 10	\$1663
SLB-2000L Magnum	.300 Winchester Magnum	3.7 kg	2, 5, 10	\$1771
Complete Set of Barrels	NA	18.9 kg	NA	\$7560

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
SLB-2000K (6.5mm)	SA	3	2-Nil	7	4	Nil	52
SLB-2000K (7x64mm)	SA	4	2-3-Nil	7	4	Nil	48
SLB-2000K (7.62mm)	SA	4	2-3-Nil	7	4	Nil	61
SLB-2000L (.30-06)	SA	4	2-3-Nil	7	4	Nil	52
SLB-2000L (8mm)	SA	4	2-3-Nil	7	4	Nil	61
SLB-2000L (9.3x62mm)	SA	5	2-4-Nil	7	5	Nil	61
SLB-2000L (6.5mm)	SA	4	2-Nil	7	4	Nil	60
SLB-2000L (7x64mm)	SA	4	2-3-Nil	7	4	Nil	56
SLB-2000L (7.62mm)	SA	4	2-3-Nil	7	4	Nil	70
SLB-2000L (.30-06)	SA	4	2-3-Nil	7	4	Nil	61
SLB-2000L (8mm)	SA	4	2-3-Nil	7	4	Nil	70
SLB-2000L (9.3x62mm)	SA	5	2-4-Nil	7	5	Nil	70
SLB-2000K Magnum	SA	5	2-3-Nil	7	4	Nil	61
SLB-2000L Magnum	SA	5	2-3-Nil	7	4	Nil	79

Heckler & Koch USC

Notes: Like the SL-8-1, the USC is a civilian weapon derived from a military one; in this case, the UMP-45 submachinegun. It has been modified along the same lines as the SL-8-1, with an enclosed pistol grip, no flash suppressor, a lengthened barrel, a Picatinny rail, and a non-threatening color. Just as the SL-8-1 will not accept standard military magazines, nor will the USC.

Twilight 2000 Story: This weapon does not exist.

Weapon	Ammunition	Weight	Magazines	Price
USC	.45 ACP	2.72 kg	10	\$358

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
USC	SA	2	1-Nil	6	3	Nil	38

Krico 260

Notes: This was designed to be a quality weapon at an inexpensive price. It is an unremarkable sort of rimfire semiautomatic rifle, except for the quality of construction. The receiver is grooved for a telescopic sight. The Model 260A is the same weapon, but with a tubular underbarrel magazine instead of a detachable box.

Weapon	Ammunition	Weight	Magazines	Price
Krico 260	.22 Long Rifle	2.6 kg	2, 5, 10	\$275

Krico 260A	.22 Long Rifle	2.64 kg	18 Tubular	\$276
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Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Krico 260/260A	SA	1	Nil	5	1	Nil	45

Krieghoff High-Power Autoloading Rifle

Notes: This interesting semiautomatic sporting rifle was produced at a very low rate between 1937 and 1939. It is a gas-operated design that was unfortunately not picked up for military service and therefore production ceased after only about 250 were built. It is light and compact and easy to use and shoulder, though the distance between the pistol grip and trigger is too big for small hands to bridge.

Weapon	Ammunition	Weight	Magazines	Price
HP Autoloading Rifle	6.5x57mm Mauser	2.88 kg	4	\$905
HP Autoloading Rifle	7mm Mauser	3.01 kg	4	\$1008
HP Autoloading Rifle	8mm JRS	3.26 kg	4	\$1226
HP Autoloading Rifle	8x60mm RWS	3.29 kg	4	\$1250

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
HP Autoloading Rifle (6.5mm)	SA	4	2-Nil	7	4	Nil	66
HP Autoloading Rifle (7mm)	SA	4	2-3-Nil	7	4	Nil	70
HP Autoloading Rifle (8mm JRS)	SA	4	2-3-Nil	8	5	Nil	79
HP Autoloading Rifle (8mm RWS)	SA	4	1-2-3	8	5	Nil	90

Sommer & Ockenfuss TW

Notes: The TW stands for Tactical Weapon, though it is unknown whether S&O pursued any police or military sales. Either way, not many sales were made at all; probably less than one hundred units. The TW started with the guts of a Desert Eagle, though they were installed in a proprietary "pistol" part of the converted carbine. The modifications converted the interior Desert Eagle to gas operation with a rotating bolt, which actuated the Desert Eagle components. The actual firearm parts were built of steel and light alloy; the stock is of polymer reinforced with fiberglass bars and has space for an extra magazine in it.. The carbine conversion included a longer barrel, with a muzzle brake and a Weaver Rail above the action in front of the Desert Eagle action. Further attachment points allows for accessories to the left and right of the carbine barrel. Ahead of the pistol grip is a large rectangular enclosed section with a foregrip and a hand bump in the middle of the bottom section. The new barrel is nearly 14 inches long. The TW comes with a flashlight in one of the side mounts, a laser aiming device on the left side, and an Aimpoint red-dot-type sight on top.

Twilight 2000 Notes: Some of these weapons were used by civilians in Europe, and players might encounter some people armed with it; it is believed that only three are to be found in the US in the Twilight War timeline, plus one in Canada. A TW found or encountered by players may or may not have all the accessories mounted.

Weapon	Ammunition	Weight	Magazines	Price
TW-44	.44 Magnum	3.2 kg	8	\$1152
TW-50	.50 Action Express	3.2 kg	7	\$1303

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
TW-44	SA	4	1-1-Nil	5	3	Nil	36
TW-50	SA	5	1-2-Nil	5	3	Nil	36

Voere M-0014

The M-0014 was designed in the Mid-1960s as a sort of affordable Voere rifle, at a time when the real-world prices for a Voere rifle were quite high. The semiautomatic M-0014 operates by simple gas operation and is equipped with hardwood stock that is designed with a finish that simulates walnut (but isn't). The M-0014 has a deep pistol grip wrist, a stock with a cheek swell, and a fore-end that is obliquely-cut inwards. The action is contained within a simple tube with the tangent rear sight about halfway down the top of the receiver and the front blade sight at the end of the barrel – both fixed. The M-0014 has a 17.5-inch barrel and is fed by a 10-round magazine, with a 15-round magazine being an option. A long-barreled, the M-0015, was sold primarily in Europe. This version was built from higher-quality wood, had a true Monte Carlo comb on the stock, and a rosewood pistol grip cap and fore-end cap. It has a 21-inch barrel. Production of both versions was never high, and stopped in 1975.

The M-0014 and M-0015 were easy to convert to automatic fire, and kits were even made to convert them, even though all that was necessary was to remove the semiautomatic disconnecter. This is the reason for the automatic fire figures. Automatic versions were always rare, and one could make a good down-payment on a car with the real-world price that one would command today.

Weapon	Ammunition	Weight	Magazines	Price
M-0014	.22 Long Rifle	2.3 kg	10, 15	\$229
M-0015	.22 Long Rifle	2.4 kg	10, 15	\$260

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
M-0014	5	1	Nil	5	1	2	37
M-0015	5	1	Nil	5	1	2	43

Walther G22

Notes: This interesting bullpup small-bore rifle is designed for competition, varmint hunting, or just shooting for fun. The G22 has the fire controls and the magazine integrated into the rear of the stock, there is the primary magazine well (where the weapon feeds from) and another well that holds a spare magazine. The stock is adjustable for length, up to 20 extra millimeters. The sights are adjustable, both for windage and elevation and in their ability to be slid along tracks back and forth. The rear sight mount also has a Weaver rail to allow it to accept most optics, and there are more rails under handguard and under the front of the barrel. The manual safety consists of a sliding safety that can be locked with a key (the same key as on a P22 pistol). The G22 also has a cocking indicator and a magazine safety that will not allow the weapon to fire unless a magazine is in the weapon. The weapon is built largely of polymer, and is available in OD green or black.

Twilight 2000 Notes: This weapon does not exist.

Weapon	Ammunition	Weight	Magazines	Price
G22	.22 Long Rifle	2.7 kg	10	\$267

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
G22	SA	1	Nil	4	1	Nil	37

FEG SA-85

Notes: This essentially Hungary's version of a civilianized AKM. In this iteration, the AK receiver is for the most part retained; differences are primarily in the department of making sure it could not be easily returned to automatic fire capability. The SA-85 has the familiar barrel and sights of an AKM, but the SA-85 has no kind of a muzzle brake or flash suppressor. The stock is made from steamed elm; while steamed and hot, the wood pieces are very easy to precisely cut, shape, and tweak. The stock comprises every portion of the rifle beyond the pistol grip – The stock is a thumbhole type stock. The barrel is a 16.33-inch barrel which is unremarkable except for its being cold-hammer forged. Instead of a normal stock, versions were also made that used a folding stock, similar to the AKMR; however, with the various gun import bans into the US (and often with similar legislation elsewhere), the SA-85S could not often be imported to the US, of the parts assembled without a lot of costly licensing for their assembly. The SA-85 is not an outstanding rifle, nor a poor one, it is, in a word, average.

Weapon	Ammunition	Weight	Magazines	Price
SA-85	7.62mm Kalashnikov	3.05 kg	10, 20, 30	\$794
SA-85S	7.62mm Kalashnikov	3.5 kg	10, 20, 30	\$824

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
SA-85	SA	4	2-Nil	6	4	Nil	47
SA-85S	SA	4	2-Nil	4/6	4	Nil	47

FEG KGPF

Though at first glance one might mistake the FGPF for the SA-85, this will quickly be revealed as mistaken. The rear thumbhole stock is in fact nearly identical to that of the SA-85, but the forestock is much larger and almost totally enclosed the barrel. The area of the receiver and trigger is much smaller than that of the SA-85 and looks similar to the MP-5. It is an attractive rifle, with good wood tones. The safety switch is inside the trigger guard at the top, in front of the trigger. Sights are like MP-5 sights, as is the cocking lever. The magazine release is wide and a push ahead the trigger guard will release the magazine.

Weapon	Ammunition	Weight	Magazines	Price
KGPF	9mm Parabellum	2.7 kg	10, 20, 25, 30	\$274

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
SA-85S	SA	2	1-Nil	5	1	Nil	37

American Tactical Imports GSG 5

Notes: Imported from Germany and sold exclusively through ATI, the GSG 5 (German Sport Gun) is sort of an MP5/HK94 chambered for .22 Long Rifle instead of 9mm Parabellum. The barrel has been extended to 16.25 inches, and most of this extended length is surrounded by a *faux* silencer to protect the long, narrow barrel. Most of the GSG 5 looks virtually identical to the MP5, though the shape of the pistol grip, trigger, and trigger guard are different, as is the trigger unit. The ejection port is also much smaller than that of the MP5. The magazines are of the same dimensions as those of a standard MP5, but they have clear windows in the sides allowing the shooter to see his ammunition supply; they also hold 22 rounds instead of 30. (10 and 20-round magazines are also available.) A clamp is available to allow two magazines to be clipped together. Sights are essentially the same as those found on the MP5, adjusted for the different ammunition chambering. The standard MP5 safeties are present, and the GSG 5 also adds a magazine safety. The GSG 5 can be had with a fixed or folding stock; again, these stocks are virtually identical to those of the MP5.

Twilight 2000 Notes: The GSG 5 does not exist in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
GSG 5 (Fixed Stock)	.22 Long Rifle	2.99 kg	10, 20, 22	\$222
GSG 5 (Folding Stock)	.22 Long Rifle	2.99 kg	10, 20, 22	\$242

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
GSG 5 (Fixed Stock)	SA	1	Nil	4	1	Nil	33
GSG 5 (Folding Stock)	SA	1	Nil	3/4	1	Nil	33

American Tactical Imports AK-47

Notes: This is a faithful reproduction of the AK-47, except for the barrel length (16.25 inches), and the chambering (.22 Long Rifle). The Model 2210 also has considerable weight differences due to its heavily polymer construction. The standard model, the Model 2224W uses wood furniture identical to the AK-47; the gas block is further ahead than on the AK-47, which also leads to a longer exposed length of gas tube (though the gas tube is thick and strong). The magazines look like standard AK-47 magazines, but have an insert for .22 Long Rifle rounds, and the receiver and magazine well are appropriately modified. The Model 2224 has polymer construction, but keeps the same weight as the standard Model 2224W; it has five MIL-STD-1913 rails including four on the fore-end and one atop the receiver, and the standard version comes with a vertical foregrip. The Model 2210 is similar in design to some of the late construction AK-74s, with a polymer stock, fore-end (which is longer than normal), and a polymer pistol grip; it has a rubber non-slip surface on the stock and the standard capacity is smaller, for those jurisdictions that dictate such. The barrel is also a little longer at 16.5 inches.

Twilight 2000 Notes: The GSG AK-47 is not available in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
AK-47 Model 2224W	.22 Long Rifle	4.35 kg	24	\$212
AK-47 Model 2224	.22 Long Rifle	4.35 kg	24	\$215
AK-47 Model 2210	.22 Long Rifle	2.99 kg	10	\$225

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
AK-47 Model 2224W/2224	SA	1	Nil	6	1	Nil	33
AK-47 Model 2210	SA	1	Nil	6	1	Nil	34

American Tactical Imports VK-22 Varmint Killer

Notes: ATI (American Tactical Imports) is a company which has its firearms made overseas and then sells them in the US; in this case, I have not been able to find out where the VK-22 is built. The lower receiver of the VK-22 is a standard M-16A2-type clone receiver, and the stock is an M-4-type collapsible stock. The magazine well has been modified to accept only the proprietary magazines made for the weapon or magazines of a similar type and made for the same caliber. The upper receiver is designed specifically for the VK-22 by Chiappa Firearms, and the upper receiver is topped by a MIL-STD-1913 rail. The handguards are standard M-16A2-type handguards, shortened for the shorter 16-inch heavy barrel. The front sight post is retained, and the rear iron sight is a folding type which is attached to the receiver rail and folds down. Function is essentially the same as for an M-16, and the weight is close to an M-16A3.

Twilight 2000 Notes: The VK-22 is not available in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
VK-22	.22 Long Rifle	3.29 kg	10, 28	\$227

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
VK-22	SA	1	Nil	3/5	1	Nil	34

Chiappa Mfour-22

Notes: The Mfour-22 Carbine is a reasonable reproduction of the M-4, chambered for .22 Long Rifle. Differences included the use

of a different stock (it is both sliding and folds to the right), and has a 16-inch barrel tipped by an M-16A2-type flash suppressor. It uses magazines that are designed to look like standard Mil-Spec 5.56mm magazines, but have a .22 Long Rifle insert. Under the gas block is a pseudo bayonet lug (it looks like a bayonet lug, but cannot be used to attach a bayonet). Internally, the Chiappa Mfour-22 is heavily modified, and uses blowback operation instead of gas operation. (It also does not have the return spring tube of the M-4/M-16/AR-15.) The top of the receiver has a MIL-STD-1913 rail, and a carrying handle with a rear sight in it comes with that rail. Four-point MIL-STD-1913 rails on the handguards is an optional feature, as is a folding front sight.

Though the Mfour-22 Pistol is a pistol and not a rifle or carbine; it is included here for completeness. The Mfour-22 Pistol has a 6-inch barrel tipped by an M-16A2-type flash suppressor, just projecting beyond the pistol's stubby handguards. As with the Rifle, the top of the receiver has a MIL-STD-1913 rail, and this rail extends down the top of the stubby handguard of the Mfour-22 Pistol. The other particulars of the Mfour-22 Pistol are identical to that of the Mfour-22 rifle, except that the Mfour-22 Pistol has no stock and adding a stock is designed to be difficult (but not impossible).

The Mfour-22 Carbine is designed from the outset to be an analog of the military M-4. The Mfour-22 Carbine can be had as a complete rifle or an add-on upper. One big difference, however, is that the upper receiver is made from polymer instead of aluminum, making it much lighter than an M-4. The barrel is 16 inches, of military profile and with a flash suppressor, and the magazines look like standard M-4/5.56mm magazines, but have .22 Long Rifle inserts. The sliding stock is similar in appearance to that of the military M-4. Other construction is as the Rifle version (which is more an SBR, legally).

Twilight 2000 Notes: These firearms are not available in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
Mfour-22 Rifle	.22 Long Rifle	2.49 kg	28	\$244
Mfour-22 Pistol	.22 Long Rifle	2.13 kg	28	\$118
Mfour-22 Carbine	.22 Long Rifle	2.5 kg	5, 10, 28	\$268

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Mfour-22 Rifle	SA	1	Nil	3/5	1	Nil	33
Mfour-22 Pistol	SA	-1	Nil	2	1	Nil	11
Mfour-22 Carbine	SA	1	Nil	3/4	1	Nil	33

Colt/Walther M4 Ops

Notes: This M4 clone was designed by Walther using a license from Colt; then, the rifles were assembled by Colt in the US after the parts were manufactured by Walther. They are not simply M4s with rimfire uppers; they were designed from the ground up to be first rimfire rifles that also look like M4A1s. Being a rimfire weapon, the operation is by blowback instead of gas. Construction is otherwise similar to the M4A1, with 7075-T6 aluminum receiver halves which are anodized in black. The top of the receiver and top of the handguard has a continuous MIL-STD-1913 rail, and the bottom of the handguard also has such a rail. The sides of the handguards are practically skeletonized with cooling/lightening slots. The front sight is the same as on the M4A1; the rear sight is a fully adjustable BUIS, totally removable. The stock is identical to that of the M4A1, and is also anodized in black. The barrel is 16.2 inches, with a military profile and tipped with an A2 flash suppressor; it is of course a Carl Walther high-quality barrel. The trigger is single stage, but adjustable by the user from 6.6 to 9.9 pounds of pull weight.

Weapon	Ammunition	Weight	Magazines	Price
M4 Ops	.22 Long Rifle	2.72 kg	30	\$248

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
M4 Ops	SA	1	Nil	¾	1	Nil	34

Frankonia/Ruger 10/22 Power Target

Notes: Starting with the Ruger 10/22 as a base, the German company of Frankonia improved upon the weapon, replacing the barrel with a heavy cold-forged barrel, the stock with a laminated wooden stock which has a thumbhole pistol grip wrist and an adjustable cheekpiece. The fore-end may have a detachable hand rest, or the same mount may be used for a bipod. On top of the receiver there is a dovetail mount for the mounting of a telescopic sight; there are no iron sights. The Power Target is also known as the Varminter, particularly in North America.

Weapon	Ammunition	Weight	Magazines	Price
Power Target	.22 Long Rifle	3.3 kg	2, 10	\$733

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Power Target	SA	1	Nil	5	1	Nil	42
With Bipod	SA	1	Nil	5	1	Nil	54

Legacy Sports PPS-22 Puma

Notes: Though superficially a version of the PPSH-41 in .22 Long rifle, the PPS-22 is barely a visual representation of that

submachinegun. The stock and fore-end are more reminiscent of a standard rimfire rifle, though the barrel has a shroud with “cooling” vents in it and it is fed from a 50-round drum (or 10-round or 30-round stick magazines); it can also use a number of aftermarket .22 Long Rifle magazines and drums. The PPS-22 is an update of the original PPS .22 Long Rifle weapon of the 1980s. It is built in Italy by F LLI Pietta, and imported to North and South America by Legacy Sports, an import company rather than an arms manufacturer. Construction is all steel and wood, and the PPS-22 is quite sturdy and surprisingly heavy for such a spindly-looking weapon. The 16-inch barrel, as stated above, is enclosed in a ventilated barrel shroud. The holes are round rather than the oval holes of the original PPS-41 submachinegun, and there are more of them. However, like the original, the action is straight (though semiautomatic) blowback. The fore-end is grooved to give the fingers something to hang on to. Unlike the original, the PPS-22 fires from a closed bolt rather than an open bolt. The PPS-22 will function with most .22 Long Rifle ammunition, but is not reliable with target velocity loads; it functions best with high-velocity ammunition. Hollowpoints also tend to jam in the mechanism. The receiver is grooved for a scope mount, even large scopes.

The Puma Wildcat diverges even more completely from the faux PPS-41 look; it has a sliding skeletonized stock, synthetic furniture, a foregrip with a pair of MIL-STD-1913 rails on it, a pistol grip instead of a pistol grip wrist, and grooving for a scope mount above the receiver.

Weapon	Ammunition	Weight	Magazines	Price
PPS-22 Puma	.22 Long Rifle	2.49 kg	10, 30, 50 Drum	\$210
Puma Wildcat	.22 Long Rifle	2.28 kg	10, 30, 50 Drum	\$242

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
PPS-22 Puma	SA	1	Nil	6	1	Nil	33
Puma Wildcat	SA	1	Nil	4/6	1	Nil	33

Mitchell's Mausers PPS50/22

Notes: Though Mitchell's Mausers is a company that primarily sells in the US, they essentially act as an import company for products from Yugoslavia and Italy. One of these is the PPS50/22 from Italy; this is based on the styling of the PPS-41, and looks very much like that weapon, except for the smaller caliber, and the longer barrel, surrounded by a full-length perforated cooling jacket. The sights are derived from those of the PPS-41, with a fixed post front and drift-adjustable rear. The wooden stock is shaped like that of its submachinegun predecessor. The PPS50/22 can be fed, (depending on where you are) by a 10 or 30 round magazine (or a 30-round magazine blocked to allow only 10 rounds in the magazine), or a 50-round drum magazine. Operation is basically blowback, like many rimfire weapons. The metalwork is of steel, and 4140 SAE steel at that, with an external polished blue finish. The manual safety is in the trigger guard. The weapon is also drilled and tapped for a scope mount. The stock is of ordinary hardwood, though it is finished to look like walnut. The barrel is, of course, longer than that of the PPS-41 to make it legal in the US, and is 16.1 inches long, with the barrel jacket stiffening, producing a bit of extra accuracy.

Weapon	Ammunition	Weight	Magazines	Price
PPS50/22	.22 Long Rifle	2.31 kg	10, 30, 50D	\$213

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
PPS50/22	SA	1	Nil	4	1	Nil	34

AGM-1 Carbine

Notes: This is a semiautomatic weapon of bullpup design. The 9mmP caliber is standard, but a conversion kit allows the weapon to use .45ACP, .40SW, and .22LR ammunition. It is a very compact weapon. The AGM-1 was originally supposed to be a military submachinegun, but there was no interest in that area or by the police, so it was sold on the civilian market as a semiautomatic only weapon; it still got little success.

Weapon	Ammunition	Weight	Magazines	Price
AGM-1	9mm Parabellum	3 kg	13, 20	\$263
AGM-1	.45 ACP	3 kg	6, 10	\$344
AGM-1	.40 Smith & Wesson	3 kg	10	\$301
AGM-1	.22 Long Rifle	3 kg	15, 20	\$202

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
AGM-1 (9mmP)	SA	2	1-Nil	4	1	Nil	32
AGM-1 (.45ACP)	SA	2	1-Nil	4	3	Nil	34
AGM-1 (.40SW)	SA	2	1-Nil	4	2	Nil	34
AGM-1 (.22LR)	SA	1	Nil	4	1	Nil	30

Armi-Jager AP-61

Notes: This is a traditional-styled semiautomatic rimfire rifle. It is a very simple rifle consisting mainly of a cylinder-shaped receiver, Monte Carlo-combed stock, and simple sights (an adjustable leaf rear and a blade front). Barrel length is 21.65 inches. The weapon is grooved for a telescopic sight. There is also a deluxe variant called the AP-61L, with a stock made from better wood and with skip-line checkering on the pistol grip wrist and fore-end.

Weapon	Ammunition	Weight	Magazines	Price
AP-61	.22 Long Rifle	2.5 kg	5, 10, 20	\$272

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
AP-61	SA	1	Nil	5	1	Nil	44

Armi-Jager AP-74

Notes: A small-caliber copy of the AR-15, the AP-74 has all of the features of the AR-15, and can mount an M-16-type bayonet. However, due to US legal requirements, the AP-74 is incapable of firing rifle grenades. The AP-74 has basically the same operation as the AR-15 (modified for the ammunition, of course), and sights modified for the ammunition but also similar to those of a standard AR-15. Construction is also similar, with an aluminum alloy receiver, synthetic stock, and plastic handguards and pistol grip. The magazine looks similar to an early-style AR-15 20-round magazine, but a close look will reveal the cutout well for the .22 Long Rifle magazine. The AP-74 was later banned by the Brady Bill due to that bayonet-mounting capability, and had to be redesigned to remove the bayonet lug (and flash suppressor), as well as the magazine redesigned with a block to allow the loading of only 10 rounds. Later, after the sunset of the Assault Weapons Ban, the flash suppressor re-appeared (but not the bayonet lug). I actually fired a pre-ban version of the AP-74 of these that belonged to my platoon leader when I was in the National Guard; it handles very much like an AR-15A1 (but is a bit shorter), and the recoil is about like an AR-15A1 firing blanks (almost none).

Variants of the AP-74 include a version chambered for .32 ACP, the AR-74 Carbine (with a sliding stock, but a full-length 19.75-inch barrel; however, the AR-74 Carbine has carbine-length handguards, leaving a pretty good length of exposed barrel). The AR-74 Commando Carbine uses a 16-inch barrel, the carbine-type handguards, and a wooden stock rumored to be based on the old Uzi wooden stock. A "luxury" version of the AP-74 also exists, with a stock, pistol grip and handguards made from premium wood which is laminated, weatherproofed, and polished.

Weapon	Ammunition	Weight	Magazines	Price
AP-74	.22 Long Rifle	2.95 kg	10, 25	\$258
Luxury AP-74	.22 Long Rifle	3.08 kg	10, 25	\$249
AP-74	.32 ACP	3.04 kg	10, 14	\$292
AR-74 Carbine	.22 Long Rifle	2.91 kg	10, 25	\$279
AR-74 Commando	.22 Long Rifle	2.74 kg	10, 25	\$241

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
AP-74 (.22)	SA	1	Nil	5	1	Nil	40
Luxury AP-74	SA	1	Nil	5	1	Nil	40
AP-74 (.32)	SA	1	Nil	5	1	Nil	44
AR-74 Carbine	SA	1	Nil	4/5	1	Nil	40
AR-74 Commando	SA	1	Nil	3/4	1	Nil	33

Benelli Argo

Notes: This rifle was introduced in 2002. It uses gas operation, and a number of exotic materials and manufacturing techniques to produce a rifle like no other. The receiver cover is of hardened steel of a type more normally used in spacecraft. The barrel is attached to this so rigidly that there is no play whatsoever, and on top of this is a carbon-fiber mount for telescopic sights. The barrel itself is free-floating, and the receiver is made of composites. The inclination of the stock in relation to the rest of the rifle can be changed with spacers, and there is a thick recoil pad on the butt. The Argo comes in the standard version with matte black composites and steel, and the fancier Argo Special with a silver-colored receiver and better grades of wood in the stock (though both use walnut). Both are identical for game purposes, though the Argo Special is made only to fire .30-06 Springfield.

Twilight 2000 Notes: This rifle does not exist.

Weapon	Ammunition	Weight	Magazines	Price
Argo	.30-06 Springfield	3.25 kg	2, 4	\$1275
Argo	.300 Winchester Magnum	3.5 kg	3	\$1733

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Argo (.30-06)	SA	4	2-3-Nil	7	4	Nil	54
Argo (.300)	SA	5	2-3-Nil	7	4	Nil	61

Benelli Athena

Notes: This is a gas-operated semiautomatic rimfire rifle introduced in 1995. It is a simple, average sort of rifle, using inertia locking and having no real remarkable features. The rear sight is adjustable, and the weapon has a hardwood stock. There is also another version, the Athena Elegant, which uses a fine walnut stock, a longer barrel, and oddly enough, a long flash suppressor (the combination of the .22 Long Rifle round and a flash suppressor is not really necessary). The Elegant is also grooved for a telescopic sight.

Weapon	Ammunition	Weight	Magazines	Price
Athena	.22 Long Rifle	2.95 kg	10	\$230
Athena Elegant	.22 Long Rifle	3.6 kg	10	\$259

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Athena	SA	1	Nil	5	1	Nil	37
Athena Elegant	SA	1	Nil	5	1	Nil	42

Benelli R-1

Notes: The R-1 is a semiautomatic gas-operated rifle designed by the same group at Benelli that normally designs their semiautomatic shotguns. This leads to an interesting blend of rifle and shotgun sensibilities, such as an operating system derived from the Argo (which itself was derived from the Benelli M-1014), a fine-quality walnut stock and fore-end which is beautifully-finished and more of the quality one might expect from an expensive competition shotgun, a magazine whose lines blend perfectly with the receiver, and an ergonomic recoil pad much thicker than is normally used on a rifle. The Argo gas system is much shorter than the standard sort of gas operation system, making stoppages due to fouling less likely and generally allowing a shorter weapon while having the incidental effect of slightly reducing recoil. Metalwork is generally blued, except for the stainless steel operating parts, and the pistol grip wrist is checkered. Barrels are cold-forged, with 2 barrel lengths available for the .30-06 chambering (20 and 22 inches), 2 for the .300 Winchester Magnum chambering (20 and 24 inches) and one for each of the other chamberings (24 inches for .300 Winchester Short Magnum and .270 Winchester Short Magnum).

Benelli introduced the ComforTech recoil-absorbing stock on its Black Eagle II semiautomatic shotgun quite a while ago, and it has since been used on several other shotguns to tame magnum shotshell recoil. However, Benelli figured that if the stock was good at absorbing the recoil of a magnum shotshell load, it ought to be great at absorbing the recoil of rifle rounds – and this thought resulted in the R-1 ComforTech. This is a version of the R-1 introduced in 2006, using that stock (which is synthetic and normally black in color), a slightly different (though equally thick) recoil pad, and comes only in two chamberings (though it is probable that more will be added in the future). Three recoil pad/butt plates are included with the R-1, allowing the user to adjust the rifle to his needs; in addition, optional raised cheekpieces are also available upon request. The R-1 ComforTech comes with a MIL-STD-1913 rail instead of the standard scope ring mounts found on the standard R-1. The pistol grip is checkered, the fore-end contoured with a palm swell, and the entire stock and fore-end is coated with Benelli's GripTight – an over-coating that feels almost tacky to the touch, making sure that the shooter will have a good hold on the weapon regardless of weather conditions. Barrel lengths are 22 inches for the .30-06 chambering and 24 inches for .300 Winchester Magnum.

Twilight 2000 Notes: These rifles do not exist in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
R-1 (20" Barrel)	.30-06 Springfield	3.26 kg	4	\$1272
R-1 (22" Barrel)	.30-06 Springfield	3.31 kg	4	\$1293
R-1 (20" Barrel)	.300 Winchester Magnum	3.28 kg	3	\$1734
R-1 (24" Barrel)	.300 Winchester Magnum	3.35 kg	3	\$1857

R-1	.270 Winchester Short Magnum	3.09 kg	3	\$1006
R-1	.300 Winchester Short Magnum	3.31 kg	3	\$1162
R-1 ComforTech	.30-06 Springfield	3.27 kg	4	\$1378
R-1 ComforTech	.300 Winchester Magnum	3.31 kg	3	\$1942

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
R-1 (20", .30-06)	SA	4	2-3-Nil	7	4	Nil	55
R-1 (22", .30-06)	SA	4	2-3-Nil	7	4	Nil	63
R-1 (20", .300 Win Mag)	SA	5	2-3-Nil	7	4	Nil	62
R-1 (24", .300 Win Mag)	SA	5	2-3-Nil	7	4	Nil	82
R-1 (.270 WSM)	SA	4	1-2-3	7	4	Nil	92
R-1 (.300 WSM)	SA	5	1-2-3	7	4	Nil	99
R-1 ComforTech (.30-06)	SA	4	2-3-Nil	7	3	Nil	63
R-1 ComforTech (.300 Win Mag)	SA	5	2-3-Nil	7	3	Nil	82

Beretta Automatic Carbine (CAB)

Notes: The *Carabine Automatiche Beretta* is a light sport rifle designed for plinking, varmint hunting, and light competition. It is a simple .22 sporter. A variant is the Tipo Olimpia; this is fancier version of the CAB with a cheekpiece, checkering on the pistol grip and fore-end, an optical target sight, and a heavy barrel.

Weapon	Ammunition	Weight	Magazines	Price
CAB	.22 Long Rifle	2.75 kg	4, 5, 8, 10, 20	\$255
Tipo Olimpia	.22 Long Rifle	3.73 kg	4, 5, 8, 10, 20	\$443

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
CAB	SA	1	Nil	5	1	Nil	42
Tipo Olimpia	SA	1	Nil	6	1	Nil	49

Beretta CX-4 Storm

Notes: The Storm is a weapon that is as likely to be found in the hands of police as it is in the hands of civilians. It is a carbine chambered for pistol calibers, and is constructed largely out of polymers. They may use any magazine available for a Beretta pistol of the same caliber. The Storm is very simple to maintain and strip, using straight blowback operation. They can be easily modified for left or right-handed operation. The Storm is regarded as an ergonomic masterpiece.

Twilight 2000 Notes: This weapon does not exist.

Weapon	Ammunition	Weight	Magazines	Price
CX-4 Storm	9mm Parabellum	2.63 kg	8, 10, 11, 13, 15, 20	\$285
CX-4 Storm	9x21mm	2.65 kg	8, 10, 11, 13, 15	\$294
CX-4 Storm	.40 Smith & Wesson	2.71 kg	6, 7, 8, 10, 11	\$322
CX-4 Storm	.45 ACP	2.81 kg	6, 7, 8, 10	\$364

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
CX-4 Storm (9mm Parabellum)	SA	2	Nil	5	1	Nil	37
CX-4 Storm (9x21mm)	SA	2	1-Nil	5	1	Nil	38
CX-4 Storm (.40)	SA	2	1-Nil	5	2	Nil	39
CX-4 Storm (.45)	SA	2	1-Nil	5	3	Nil	39

Beretta Rx-4 Storm

Notes: Though based on the Cx-4 Storm, the Rx-4 quickly diverges significantly from the Cx-4 design both internally and externally. It is designed for both police and civilian use.

Let's start externally. While the shell of the Rx-4 is also constructed largely of high-strength polymers, the Rx-4 uses a collapsible stock which slides inward, and able to be locked in 5 positions for a total change in length of pull of 4.6 inches. (A standard non-collapsible stock is also available, with or without a pistol grip, primarily for civilians and for jurisdictions where such sliding stocks are prohibited.) Sights are ghost-ring type, with protective ears for the front and rear sight and adjustable for windage and elevation on both the front and rear sights. A MIL-STD-1913 rail is also mounted above the receiver, and more may be added atop, on either side, and below the barrel shroud. A total of nine sling swivel attachment points are provided. The metalwork is steel, with 12.5-inch and 16-inch barrels available. Civilian versions (which have 16-inch barrels only) may be had that have no provision for a flash suppressor or muzzle brake (depending upon local laws); the 16-inch barrel version may also have a permanently-mounted flash suppressor, and the 12.5-inch barrel model may have a threaded muzzle to allow a flash suppressor or muzzle brake to be used. All fire controls are easily reversible, as is the charging handle.

Internally, operation is somewhat similar to that of the Cx-4, but the Rx-4 also uses the ARGO gas system which reduces fouling and increases reliability, by automatically regulating the amount of gas required for changing conditions in the gas system. Feed may be from any magazine compatible with the AR-15/M-16 series, but Beretta normally sells the Rx-4 to civilians only with 5 or 10-round magazines (again, depending upon local regulations).

Twilight 2000 Notes: The Rx-4 is not available in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
Rx-4 (Civilian, Fixed Stock)	5.56mm NATO	6.93 kg	5, 10, 20, 30	\$640
Rx-4 (Civilian, Folding Stock)	5.56mm NATO	6.93 kg	5, 10, 20, 30	\$661
Rx-4 (Police, Fixed Stock, 12.5" Barrel, FS)	5.56mm NATO	6.68 kg	5, 10, 20, 30	\$609
Rx-4 (Civilian, Folding Stock, 12.5", FS)	5.56mm NATO	6.68 kg	5, 10, 20, 30	\$630
Rx-4 (Police, Fixed Stock, 12.5" Barrel, MB)	5.56mm NATO	6.9 kg	5, 10, 20, 30	\$655
Rx-4 (Civilian, Folding Stock, 12.5", MB)	5.56mm NATO	6.9 kg	5, 10, 20, 30	\$676
Rx-4 (Police, Fixed Stock, 16" Barrel)	5.56mm NATO	7 kg	5, 10, 20, 30	\$645
Rx-4 (Civilian, Folding Stock, 16" Barrel)	5.56mm NATO	7 kg	5, 10, 20, 30	\$666

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Rx-4 (Civ, Fixed)	SA	3	1-Nil	5	2	Nil	40
Rx-4 (Civ, Folding)	SA	3	1-Nil	4/5	2	Nil	40
Rx-4 (Police, Fixed, 12.5", FS)	SA	3	1-Nil	5	1	Nil	27
Rx-4 (Police, Folding, 12.5", FS)	SA	3	1-Nil	3/5	1	Nil	27
Rx-4 (Police, Fixed, 12.5", MB)	SA	3	1-Nil	5	1	Nil	27
Rx-4 (Police, Folding, 12.5", MB)	SA	3	1-Nil	3/5	1	Nil	27
Rx-4 (Police, Fixed, 16")	SA	3	1-Nil	5	2	Nil	40
Rx-4 (Police, Folding, 16")	SA	3	1-Nil	4/5	2	Nil	40

Bernardelli B/TR

Notes: Like many of the world's nations, Italy found itself with a need to train soldiers in basic marksmanship skills, but found the cost of such training a bit steep. And like many other nations, their solution was to a rifle firing cheap .22 Long Rifle ammunition instead of using normal issue weapons firing more expensive 5.56mm NATO or 7.62mm NATO ammunition. This approach also saved wear and tear on the actual issue weapons, and the soldiers only required some familiarization, having already learned the fundamentals of marksmanship. The weapon they used for this purpose was the B/TR, a basic semiautomatic rifle design. The B/TR was also sold on the European market as a light hunting rifle.

Twilight 2000 Notes: Italian military B/TR's were handed out starting in late 1998 to civilians for home defense.

Weapon	Ammunition	Weight	Magazines	Price
B/TR	.22 Long Rifle	2.45 kg	5, 10	\$259

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
B/TR	SA	1	Nil	6	1	Nil	42

Bernardelli CSA

Notes: The Bernardelli Semi-Automatic Carbine (CSA – *Carabine Semi-Automatiche*), was designed for low cost and easy maintainability. It is a very simple weapon with a simple blowback operation. A minor variant of this weapon fires 9mm Flobert rimfire shotshell ammunition; this version has sights that are so rudimentary they are hardly worth using.

Weapon	Ammunition	Weight	Magazines	Price
CSA	.22 Long Rifle	2.35 kg	10	\$259
CSA	9mm Flobert	2.61 kg	3	\$208

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
CSA	SA	1	Nil	5	1	Nil	42
CSA	SA	2/1d6x4	Nil/Nil	6	2	Nil	36

Bernardelli VB-Target

Notes: The VB-Target is a rimfire semiautomatic carbine using recoil operation. It is a simple weapon with adjustable tangent rear sights and hardwood stocks. It is grooved for a telescopic sight mount. A variant called the Giardino fires 9mm Flobert ammunition.

Weapon	Ammunition	Weight	Magazines	Price
VB-Target	.22 Long Rifle	2.3 kg	5, 10	\$259
Giardino	9mm Flobert	4.07 kg	5, 10	\$190

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
VB-Target	SA	1	Nil	5	1	Nil	43
Giardino	SA	2/1d6x4	1-Nil/Nil	5	1	Nil	30

Sabatti Sporter

Notes: This is a simple semiautomatic recoil-operated rimfire carbine. It has a simple semi-pistol grip wrist stock made from walnut and metal parts of steel. The normal magazine used is a removable rotary magazine with a capacity of ten rounds, but the Sporter can also be had with an internal magazine with a capacity of two or three rounds, for export to countries where hunting weapons are limited to these small capacities. The safety button actuates a simple mechanism which locks the trigger. The rear sight is an adjustable leaf, and the top of the receiver has a raised dovetail rail for the attachment of a scope mount.

Weapon	Ammunition	Weight	Magazines	Price
Sporter	.22 Long Rifle	3.24 kg	10	\$235

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Sporter	SA	1	Nil	5	1	Nil	38

Tanfoglio Appeal

Notes: Sold exclusively through EAA (European American Armory), an import company, the Appeal was designed specifically with the US market in mind, but has found broad appeal throughout civilians in the world. It's receiver, stock, carrying handle, pistol grip, and trigger and housing are made of polymer; the working parts, barrel, and muzzle brake are made from light steel alloys. The entire rifle is very light and handy, due to its construction and bullpup design. Reviewers remark on the fit and finish of the Appeal, and how it does not flex and warp much and has natural pointing qualities. The stock is adjustable for length via the buttplate. The receiver is in two sections, which connect through three drift pins. The trigger bar is 9 inches long and trigger pull is a bit heavy at 6.75 pounds, like many bullpup rifles. The Appeal has a passive and manual trigger safety, the passive in the trigger itself, and the manual which blocks the movement of the trigger bar. The magazine release is behind the pistol grip, and the magazine is behind the magazine release in the stock. The charging handle may be led into the rifle to recoil spring sleeve through either side of the rifle.

The front and rear sights are both adjustable; the sights are on top of a raised carrying handle, connected by a Weaver rail molded into the carrying handle. The Weaver Rail used has stanchions a bit higher than normal, and many optics will simply not fit. Under the barrel is a short length of Weaver Rail, which can be used for bipods or accessories. The rear sights are protected by hexagonal ears and the front by molded-in wings.

The barrel is 18 inches, yet the entire rifle is a mere 26.25 inches. The controls are completely ambidextrous, and the ejection port and bolt can be reversed.

One thing noticed on models shown at the 2016 SHOT Show is that magazines and versions were shown in .22 LR, .22 WMR, and .17 HMR. Yet no .17 HMR version has speared on the market as of yet. The word is that they are having some headspace and timing issues (which can mean more than one thing!) but a .17 HMR version will be available soon. I have therefore included one in the tables below.

Weapon	Ammunition	Weight	Magazines	Price
Appeal	.22 Long Rifle	2.04 kg	10	\$272
Appeal	.22 Winchester Magnum Rimfire	2.04 kg	10	\$293
Appeal	.22 Hornady Magnum Rimfire	2.04 kg	10	\$371

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Appeal (.22 LR)	SA	1	Nil	4	1	Nil	34
Appeal (.22 WMR)	SA	1	Nil	4	1	Nil	41
Appeal (.17 HMR)	SA	2	1-Nil	4	1	Nil	41

Izhmash Izyubr

Notes: This is a premium hunting rifle, high in quality and produced only by special order. The mechanism is very much like that of the Saiga, but tolerances are tightened considerably and special steel and aluminum rifles are used in its construction. The Izyubr is also made with preventative maintenance in mind; it can be broken down into easily-worked sections by the average user. Stocks and fore-ends are of premium quality wood, and the Izyubr can be had with walnut root furniture. The side of the receiver has a rail for a scope mount, and comes with a telescopic sight. In addition to iron sights, the Izyubr has a fiberoptic front sight and an aiming rib. The stock has a raised cheekpiece and a ventilated recoil pad. There is a game price here, but the real-world cost would be a good 10-12 times more.

Weapon	Ammunition	Weight	Magazines	Price
Izyubr	7.62mm NATO	3.5 kg	5, 10	\$1315

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Izyubr	SA	4	2-3-Nil	7	4	Nil	77

Dragunov Medved

Notes: This is a civilianized version of the Russian SVD sniper rifle, meant for light to medium hunting. The original version was produced for the 9mm Russian Rifle cartridge, and was distributed to Russian civilians in large numbers. Later versions were produced with 7.62mm Nagant and 7.62mm NATO chamberings, primarily for export. The weapon is drilled and tapped for a scope and has an adjustable trigger.

Twilight 2000 Notes: The Medved-2 and Medved-3 do not exist in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
Medved-1	9.3mm Russian	3.6 kg	4	\$1860
Medved-2	7.62mm Nagant	3.6 kg	4	\$1086
Medved-3	7.62mm NATO	3.6 kg	4	\$1036

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Medved-1	SA	5	2-4-Nil	7	6	Nil	70
Medved-2	SA	4	2-3-Nil	7	4	Nil	70
Medved-3	SA	4	2-3-Nil	7	4	Nil	70

Dragunov Tigr

Notes: This is a series of Russian rifles for hunting and target shooting. The Tigr is, in fact, another civilianized version of the SVD sniper rifle. The "-1" versions typically have a straight rifle stock and longer barrels, while the standard versions have skeletonized folding stocks and shorter barrels. The weapons have open sights in the scope mounts to allow the weapon to be used at shorter ranges without detaching the scope.

Twilight 2000 Notes: These weapons do not exist.

Weapon	Ammunition	Weight	Magazines	Price
Tigr	7.62mm Nagant	3.9 kg	5	\$1073
Tigr-1	7.62mm Nagant	4.1 kg	5	\$1109
Tigr-9	9.3mm Brenneke	4 kg	5	\$2091
Tigr-9-1	9.3mm Brenneke	4.2 kg	5	\$2157
Tigr-308	7.62mm NATO	4 kg	5, 10	\$1037
Tigr-308-1	7.62mm NATO	4.2 kg	5, 10	\$1059
Tigr-3006	.30-06 Springfield	4.32 kg	5, 10	\$1218
Tigr-3006-1	.30-06 Springfield	4.43 kg	5, 10	\$1240

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Tigr	SA	4	2-3-Nil	5/7	4	Nil	66
Tigr-1	SA	4	2-3-Nil	7	4	Nil	84
Tigr-9	SA	5	2-4-Nil	5/7	5	Nil	73
Tigr-9-1	SA	5	2-4-Nil	8	5	Nil	84
Tigr-308	SA	4	2-3-Nil	5/7	4	Nil	73
Tigr-308-1	SA	4	2-3-Nil	7	4	Nil	83
Tigr-3006	SA	4	2-3-Nil	5/7	4	Nil	63
Tigr-3006-1	SA	4	2-3-Nil	7	4	Nil	73

Kalashnikov USA KR-9

Notes: The story of the KR-9 actually began in 2013, when it was shown at the Concern Kalashnikov show in Russia. At the time, Kalashnikov wanted to export the Saiga-9, a heavily-modified variant of the Vityaz PP-19 submachinegun (which is also a derivative of the AK-74U), to the US and South America, and the Saiga-9 was designed with US laws in mind. However, the BATF put the kibosh on this deal, saying that not enough of the weapon was produced in the US. This led to the Kalashnikov USA facility, and the now-called KR-9 was then wholly produced in the US, and introduced to the West in 2016. The KR-9 (and its Saiga-9 predecessor) was designed for sales to civilians, and never meant for military or police sales.

The Vityaz PP-19 was basically a Bizon-2 designed to feed from a 30-round magazine. The KR-9 is likewise designed to feed from a 30-round magazine, though 10-round magazines are available where the local laws require it. The magazine inserts directly into the magazine well, with no Kalashnikov-like hooking and rocking required. The magazine release is a paddle in front of the trigger guard, like a standard AK-type weapon.

The result of the modifications produces a firearm that looks very much like an AK-74U with an elongated barrel. It has a side-folding stock like the AK-74U, and much of the furniture likewise appears taken from an AK-74U. Atop the receiver is a MIL-STD-1913 rail that extends the length of the top cover of the weapon. The rail hinges with the top cover to allow access to the innards. (Kalashnikov USA recommends a Red Dot sight, though the KR-9 can mount just about anything.) It can also take the side-mounted Russian-type sights. Being designed for sales to the West (and especially the US) it is chambered in the civilian-friendly 9mm Parabellum. Controls are standard Kalashnikov, though without the automatic fire setting. When the rifle is on safe, the lever covers the ejection port. Below the receiver is a pistol grip which is shaped the same way as the AK-74U, but somewhat larger and at a more ergonomic angle.

The front sight is a post with ears and is adjustable for windage. The rear sight has a simple u-notch, and is adjustable out to 200 meters.

The barrel is simple steel finished with Melonite (as are most of the metal parts of the rifle) and is 16.2 inches long. It is tipped with a compact, slotted muzzle brake. The handguard is in two parts, top and bottom, and is black polymer. Note that internal trigger locks prevent the KR-9 from being fired with the stock folded.

Weapon	Ammunition	Weight	Magazines	Price
KR-9	9mm Parabellum	3 kg	10, 30	\$351

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
KR-9	SA	2	1-Nil	3/5	1	Nil	36

Molot Vepr

Notes: The Vepr is a hunting rifle built on the receiver and barrel of the RPK automatic rifle. The capacity for automatic fire is removed, and other modifications include a wooden thumbhole stock with a ventilated recoil pad, proprietary magazines and an optical sight mount on the left side. In addition, the bipod is removed, and the handguards are different. The trigger group is also different; it is a two-stage trigger. At first, the plans for the Vepr were to produce it only in 7.62mm Kalashnikov to simplify production, but the design proved popular in the West, so other chamberings were added. In addition, the Vepr was initially to be produced only with one barrel length, but in 1998, a longer barrel length was added for 7.62mm Kalashnikov and 7.62mm NATO variants; later, this longer barrel was offered for other chamberings. In addition, shorter 16.5-inch barrels are offered for the 5.56mm and 5.45mm versions. The use of an RPK receiver gives the Vepr greater strength than the AK-based Saiga, though at a penalty of additional weight.

The Super Vepr is a variant of the standard Vepr designed primarily for export to the West. The Super Vepr has additional ammunition options and more expensive walnut furniture that was more popular in the West at the time. In addition, the controls are more "Western-friendly," consisting of a push-button safety, Western-pattern trigger, and a somewhat different magazine release. The weapon is equipped with a Picatinny rail and may use any sort of Pact or Western sight. The controls are ambidextrous. The iron sights consist of an adjustable leaf rear sight and post-type front sight; these sights are very simple, because the Super Vepr is primarily meant to be used with a telescopic sight (a mounting rail for such a scope is available as an accessory). Barrel length is a bit different at 21.65 inches. Original chamberings were for 7.62mm Kalashnikov and 7.62mm NATO, but later a .35 Remington chambering was added.

The Vepr Pioneer is a further development of the Super Vepr; the primary difference is the removable trigger unit which allows for easy maintenance of the unit. (This trigger unit is *not* adjustable, however.) The thumbhole stock is replaced by a Monte Carlo stock with a pistol grip wrist and a cheek swell.

Based on the Super Vepr, the Vepr II has synthetic instead of wooden furniture and more rigid manufacturing standards, along with more ergonomic construction. The stock can be fixed or a side-folder. It is drilled and tapped for a scope, but does not have the Picatinny rail of the Super Vepr. Barrel lengths are 20 and 16.5 inches, and the barrel is tipped with an AK-74-type muzzle brake. Unlike most Russian civilianized weapons, the Vepr II will accept both civilian and military magazines.

The US company Wolf Performance makes a heavily-modified version of the Vepr, essentially converting it to a "Western" rifle with Western improvements and tolerances. The primary modifications are to the furniture. The stock is replaced by a sliding stock with a rubber recoil pad on the butt and an adjustable cheekpiece. The butt can also be angled one direction or another by twisting and locking the stock. The stock also had room for batteries and a cleaning kit. The stock has a length of MIL-STD-1913 rail to mount a monopod or another sling mount. The pistol grip is replaced with the much more ergonomic ATI Strike Force pistol grip. The left side of the receiver has an optics base; this base reaches up and over the receiver (or pivots to one side for field stripping), and is topped by a MIL-STD-1913 rail. Further rails are found on the sides of the front half of the handguard and underneath; the Wolf Performance

Vepr is sold with a bipod, adjustable for cant and height. (This handguard system was actually designed for the Saiga 12, and modified for the Wolf Performance Vepr. The Wolf Performance Vepr also has folding front and rear sights; the rear sights are adjustable ladder-type sights; the Wolf Performance Vepr is sold with a Weaver Tactical CIRT Scope. The heavy-profile 23-inch barrel is tipped with an A2-type flash suppressor; and is chromed and made from high-quality steel. Clearly, the Wold Performance Vept is designed for hunting, tactical sharpshooting, or sniper work. It is included here for completeness; it is, however, in game terms a sniper rifle.

Twilight 2000 Notes: The Vepr is a rare weapon in the West in the Twilight 2000 timeline. The Super Vepr and Vepr II do not exist in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
Vepr (16.5" Barrel)	5.45mm Kalashnikov	3.2 kg	5, 10, 20, 30	\$581
Vepr (20.5" Barrel)	5.45mm Kalashnikov	3.3 kg	5, 10, 20, 30	\$622
Vepr (23.25" Barrel)	5.45mm Kalashnikov	3.38 kg	5, 10, 20, 30	\$651
Vepr (16.5" Barrel)	5.56mm NATO	3.33 kg	5, 10, 20, 30	\$631
Vepr (20.5" Barrel)	5.56mm NATO	3.43 kg	5, 10, 20, 30	\$673
Vepr (23.25" Barrel)	5.56mm NATO	3.51 kg	5, 10, 20, 30	\$701
Vepr (20.5" Barrel)	7.62mm Kalashnikov	3.9 kg	5, 10, 20, 30	\$915
Vepr (23.25" Barrel)	7.62mm Kalashnikov	4 kg	5, 10, 20, 30	\$944
Vepr (20.5" Barrel)	7.62mm NATO	4.44 kg	5, 10, 20, 30	\$1013
Vepr (23.25" Barrel)	7.62mm NATO	4.49 kg	5, 10, 20, 30	\$1094
Super Vepr	7.62mm Kalashnikov	3.88 kg	3, 5, 10	\$848
Super Vepr	7.62mm NATO	3.88 kg	3, 5, 10	\$1094
Super Vepr	.35 Remington	3.88 kg	3, 5, 10	\$1696
Vepr Pioneer	5.56mm NATO	3.6 kg	5, 10	\$681
Vepr Pioneer	7.62mm Kalashnikov	3.6 kg	5, 10	\$848
Vepr II (Fixed Stock, 16.5" Barrel)	5.45mm Kalashnikov	3.67 kg	5, 10, 20, 30, 40	\$566
Vepr II (Folding Stock, 20" Barrel)	5.45mm Kalashnikov	3.74 kg	5, 10, 20, 30, 40	\$602
Vepr II (Fixed Stock, 16.5" Barrel)	5.45mm Kalashnikov	3.67 kg	5, 10, 20, 30, 40	\$586
Vepr II (Folding Stock, 20" Barrel)	5.45mm Kalashnikov	3.74 kg	5, 10, 20, 30, 40	\$622
Vepr II (Fixed Stock, 16.5" Barrel)	5.56mm NATO	3.82 kg	5, 10, 20, 30	\$616
Vepr II (Folding Stock, 20" Barrel)	5.56mm NATO	3.89 kg	5, 10, 20, 30	\$653
Vepr II (Fixed Stock, 16.5" Barrel)	5.56mm NATO	3.82 kg	5, 10, 20, 30	\$636
Vepr II (Folding Stock, 20" Barrel)	5.56mm NATO	3.89 kg	5, 10, 20, 30	\$673
Vepr II (Fixed Stock, 16.5" Barrel)	7.62mm Kalashnikov	4 kg	5, 10, 20, 30, 40	\$859
Vepr II (Folding Stock, 20" Barrel)	7.62mm Kalashnikov	4.08 kg	5, 10, 20, 30, 40	\$895
Vepr II (Fixed Stock, 16.5" Barrel)	7.62mm Kalashnikov	4 kg	5, 10, 20, 30, 40	\$879
Vepr II (Folding Stock, 20" Barrel)	7.62mm Kalashnikov	4.08 kg	5, 10, 20, 30, 40	\$915
Vepr II (Fixed Stock, 16.5" Barrel)	7.62mm NATO	4.14 kg	5, 10, 20	\$1037
Vepr II (Folding Stock, 20" Barrel)	7.62mm NATO	4.22 kg	5, 10, 20	\$1073
Vepr II (Fixed Stock, 16.5" Barrel)	7.62mm NATO	4.14 kg	5, 10, 20	\$1057
Vepr II (Folding Stock, 20" Barrel)	7.62mm NATO	4.22 kg	5, 10, 20	\$1093
Wolf Performance Vepr	7.62mm Nagant	4.77 kg	5, 10, 20	\$2127

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Vepr (5.45mm, 16.5")	SA	3	1-Nil	5	2	Nil	48
Vepr (5.45mm, 20.5")	SA	3	1-Nil	6	2	Nil	64
Vepr (5.45mm, 23.25")	SA	3	1-Nil	6	2	Nil	73
Vepr (5.56mm, 16.5")	SA	3	1-Nil	5	2	Nil	43
Vepr (5.56mm, 20.5")	SA	3	1-Nil	6	2	Nil	59
Vepr (5.56mm, 23.25")	SA	3	1-Nil	6	2	Nil	69
Vepr (20.5", 7.62mm Kalashnikov)	SA	4	2-3-Nil	6	3	Nil	64
Vepr (23.25", 7.62mm Kalashnikov)	SA	4	2-3-Nil	7	3	Nil	72
Vepr (20.5", 7.62mm NATO)	SA	4	2-3-Nil	7	3	Nil	67
Vepr (23.25", 7.62mm NATO)	SA	4	2-3-Nil	7	3	Nil	80
Super Vepr (7.62mm Kalashnikov)	SA	4	2-3-Nil	7	3	Nil	66
Super Vepr (7.62mm NATO)	SA	4	2-3-Nil	7	3	Nil	71
Super Vepr (.35)	SA	5	2-3-Nil	7	4	Nil	71
Vepr Pioneer (5.56mm)	SA	3	1-Nil	6	2	Nil	63
Vepr Pioneer (7.62mm Kalashnikov)	SA	4	2-3-Nil	7	3	Nil	66
Vepr II (5.45mm, Fixed, 16.5")	SA	3	1-Nil	5	2	Nil	48

Vepr II (5.45mm, Fixed, 20")	SA	3	1-Nil	6	2	Nil	62
Vepr II (5.45mm, Folding, 16.5")	SA	3	1-Nil	4/5	2	Nil	48
Vepr II (5.45mm, Folding, 20")	SA	3	1-Nil	4/6	2	Nil	62
Vepr II (5.56mm, Fixed, 16.5")	SA	3	1-Nil	5	2	Nil	43
Vepr II (5.56mm, Fixed, 20")	SA	3	1-Nil	6	2	Nil	57
Vepr II (5.56mm, Folding, 16.5")	SA	3	1-Nil	4/5	2	Nil	43
Vepr II (5.56mm, Folding, 20")	SA	3	1-Nil	4/6	2	Nil	57
Vepr II (7.62mm Kalashnikov, Fixed, 16.5")	SA	4	2-Nil	6	3	Nil	48
Vepr II (7.62mm Kalashnikov, Fixed, 20")	SA	4	2-3-Nil	6	3	Nil	62
Vepr II (7.62mm Kalashnikov, Folding, 16.5")	SA	4	2-Nil	4/6	3	Nil	48
Vepr II (7.62mm Kalashnikov, Folding, 20")	SA	4	2-3-Nil	5/6	3	Nil	62
Vepr II (7.62mm NATO, Fixed, 16.5")	SA	4	2-3-Nil	6	3	Nil	48
Vepr II (7.62mm NATO, Fixed, 20")	SA	4	2-3-Nil	7	3	Nil	65
Vepr II (7.62mm NATO, Folding, 16.5")	SA	4	2-3-Nil	5/6	3	Nil	48
Vepr II (7.62mm NATO, Folding, 20")	SA	4	2-3-Nil	5/7	3	Nil	65
Wolf Performance Vepr	SA	4	2-3-Nil	6/8	2	Nil	83
Bipod	SA	4	2-3-Nil	6/8	1	Nil	108

Izhmash Saiga Series

Notes: Though called by the Russians a "hunting carbine," the Saiga is a full-sized rifle. The original version of the Saiga was the Saiga Self-Loading Hunting Carbine, essentially a civilianized version of the AKM introduced in 1974. The receiver and action were largely the same as that of the AKM, but the stock was modified into one with a deep pistol grip-wrist instead of a true pistol grip, and the Self-Loading Hunting Carbine was chambered for a necked-down version of the 7.62mm Kalashnikov round. The sights were identical to those of the AKM, with a barrel length of 16.34 inches and no flash suppressor.

The next version was the Saiga-7.62-01; this version uses the receiver of the AKM, and fires the 7.62mm Kalashnikov. The stock is very similar in shape to that of the Self-Loading Hunting Carbine, though it is made from polymer. The handguard is that of the AK-74, as are the sights and some other parts. Most of the parts of the Saiga-7.62-01 can be used in the AKM or AK-74 (as appropriate). As with the Self-Loading Hunting Carbine, barrel length is 16.34 inches. The Saiga-4 is very similar to the Saiga-7.62-01, but is equipped with a mount for an optical sight on the left side of the receiver, a rapid-removing firing mechanism, and an enlarged trigger guard. The wooden stock is similar to a Monte Carlo stock, with a raised cheekpiece, and the wooden handguards have finger grooves. Original production versions of the Saiga-4 can use only 5 or 10-round magazines, but newer versions can also use 20 or 30-round magazines. The magazines are not compatible with AK-series weapons and vice versa. The barrel of the Saiga-4 is a bit longer at 19.7 inches.

The Saiga-5.6 is based on the AK-74 instead of the AKM, but is otherwise very similar to its predecessors. The Saiga-5.6 can be had with a stock like that of the Self-Loading Hunting Carbine (but with a checkered pistol grip wrist) and AKM-type handguards, or with a polymer folding stock and an elongated polymer handguard with finger grooves. In the case of the folding stock version, the firing mechanism is locked when the stock is folded; folding the stock is for storage purposes only. Barrels may be 16.75 or 20.5 inches long.

The Saiga-308 uses a modified AKM receiver; the difference is primarily in the chamber and bolt size, as the Saiga-308 fires the 7.62mm NATO cartridge. The Saiga-308 has sights appropriate to the new caliber, and barrel length is 16 or 20.5 inches. An aluminum bracket on the left side of the receiver can be used to mount telescopic sights. The proprietary magazines are polymer. The stock is of wood or polymer, as are the handguards; in either case, the stock may have a standard hunting-type or thumbhole stock, with others available. The stocks have ventilated rubber recoil pads on the butt. A similar model, the Saiga-223, fires the 5.56mm NATO round. Both were designed primarily for export.

Twilight 2000 Notes: The Self-Loading Hunting Carbine and the Saiga-4 are rare weapons in the West in the Twilight 2000 timeline. The Saiga-5.6, Saiga-308, and Saiga-223 do not exist in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
Saiga Self-Loading	5.6mm Kalashnikov	3.4 kg	10	\$498
Saiga-7.62-01	7.62mm Kalashnikov	3.4 kg	5, 10	\$803
Saiga-4	7.62mm Kalashnikov	3.5 kg	5, 10	\$827
Saiga-5.6 (Wood Stock, 16.75")	5.6mm Kalashnikov	3.85 kg	10	\$502
Saiga-5.6 (Wood Stock, 20.5")	5.6mm Kalashnikov	3.97 kg	10	\$540
Saiga-5.6 (Folding Stock, 16.75")	5.6mm Kalashnikov	3.49 kg	10	\$532
Saiga-5.6 (Folding Stock, 20.5")	5.6mm Kalashnikov	3.6 kg	10	\$570
Saiga-308 (Wood Stock, 16")	7.62mm NATO	3.53 kg	5, 8, 10, 20	\$1042
Saiga-308 (Wood Stock, 20")	7.62mm NATO	3.6 kg	5, 8, 10, 20	\$1088
Saiga-308 (Polymer Stock, 16")	7.62mm NATO	3.47 kg	5, 8, 10, 20	\$1053
Saiga-308 (Polymer Stock, 20")	7.62mm NATO	3.54 kg	5, 8, 10, 20	\$1098
Saiga-223 (Wood Stock, 16")	5.56mm NATO	3.2 kg	5, 8, 10, 20, 30	\$622

Saiga-223 (Wood Stock, 20")	5.56mm NATO	3.26 kg	5, 8, 10, 20, 30	\$677
Saiga-223 (Polymer Stock, 16")	5.56mm NATO	3.14 kg	5, 8, 10, 20, 30	\$632
Saiga-223 (Polymer Stock, 20")	5.56mm NATO	3.2 kg	5, 8, 10, 20, 30	\$687

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Saiga Self-Loading	SA	3	1-Nil	5	2	Nil	46
Saiga-7.62-01	SA	4	2-Nil	6	4	Nil	46
Saiga-4	SA	4	2-3-Nil	7	4	Nil	59
Saiga-5.6 (Wood, 16.25")	SA	3	1-Nil	5	2	Nil	48
Saiga-5.6 (Wood, 20.5")	SA	3	1-Nil	6	2	Nil	62
Saiga-5.6 (Folding, 16.25")	SA	3	1-Nil	4/5	2	Nil	48
Saiga-5.6 (Folding, 20.5")	SA	3	1-Nil	4/6	2	Nil	62
Saiga-308 (16")	SA	4	2-3-Nil	6	3	Nil	44
Saiga-308 (20")	SA	4	2-3-Nil	7	3	Nil	64
Saiga-223 (16")	SA	3	1-Nil	5	2	Nil	40
Saiga-223 (20")	SA	3	1-Nil	6	2	Nil	57

TOZ-99

Notes: Also introduced in 2000, the TOZ-99 semiautomatic rimfire carbine uses recoil operation. It is very simple and robust in construction, and uses the same trigger/safety/magazine housing group as the TOZ-78. The barrel is the same length as that of the TOZ-78 at 21.125 inches, but the carbine is also lighter as well. The TOZ-78 uses the same iron sights as the TOZ-78, and also has dovetail grooves for a scope mount. A variant is the TOZ-99-01; this version has a removable barrel to allow a smaller package for storage, but is otherwise identical to the standard TOZ-99.

Twilight 2000 Notes: This carbine does not exist in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
TOZ-99	.22 Long Rifle	2.4 kg	5, 10	\$262

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
TOZ-99	SA	1	Nil	5	1	Nil	43

Alexander Arms AAR17

Notes: This AR-15 clone is usually found in its signature desert camouflage, though many other colors and patterns are available. Alexander Arms basically jumped on the bandwagon of shooters that wanted to fire less expensive rimfire ammunition, but wanted something more powerful than .22 Long Rifle or .22 Winchester Magnum Rimfire; something that was actually effective against the larger varmints and small game. The AAR17 started with a blank slate; it is not a “shrunk” AR-15, but designed from the ground up to be a .17 HMR rifle.

The AAR17 features a monolithic MIL-STD-1913 rail atop the receiver and a monolithic magazine block. The interior parts, including the bore, chamber, barrel extension, and the parts of the bolt carrier group, are chromed. Operation is by blowback instead of gas, like most rimfire rifles. The handguard is round aluminum with a sling swivel/bipod mount at the end of the handguard. The 18-inch barrel is of bull profile and is fluted to save weight and increase the cooling profile. The stock is a telescoping M4A1-type stock. The magazines are, as stated above, monoblock magazines, and are made from tough polymer, with thick walls and a waffle pattern to save weight. The magazines are molded as a single unit and have no seams or join lines. Though generally, Alexander Arms says that match or two-stage triggers are not useful on the AAR17 due to the quickness of the action, they will install a Geissele trigger group or an Alexander Arms special trigger group for those who wish a lighter trigger pull weight. If these triggers are installed, the rifle will need a heavier buffer to balance out the action.

Two versions of the AAR17 are available. The AAR17 Rifle uses a stainless steel, button-rifled barrel with straight flutes and a muzzle threaded for standard .223/5.56mm muzzle devices, including suppressors. Spiral fluting is an option, but makes no difference in game terms. (As a further note, the .17 HMR ammunition can heat up a barrel and chamber fast if lots of quick shots are fired.) Alexander Arms will deliver the AAR17 with one of two flash suppressors or compact muzzle brake (no difference to recoil in game terms). It may have the aluminum handguard stated above, a carbon fiber handguard of the same design (all three of which may be mid-length or full-length) or a handguard of near-same design, but with a MIL-STD-1913 rail (if your AAR17 Rifle has this, add 1% to the price listed below). The standard stock is an M4A1-type stock, but a Vltor Enhanced Modstock, Magpul CTR, or Adaptive Tactical EX Performance stocks are options. There are a plethora of camo patterns available (21 in all), ranging from Skulls, Muddy Girl and Kyrptek Nomad to Snow Ghost, Spring Leaf and Tru Woods, and also the solid colors of Carbon Fiber, OD Green, and Flat Dark Earth.

The AAR17 Tactical is similar, but in addition to the receiver-top MIL-STD-1913 rail, the rail has been extended about three inches onto the top of the handguard. The end of the handguard also has about four inches of rail for the installation of a BUIS or other accessory. The handguard is aluminum and full-length, with rows of large cooling holes and comes with covers installed on three sides covering M-LOK slots. The barrel is spiral-fluted and tipped with a muzzle brake which can be removed by the shooter, exposing threads compatible with .223/5.56mm muzzle devices, including a suppressor. (One of two flash suppressors are an option.) The covers may be in Manticore Snake Skin or FRAG, and KeyMod slots are an option. Finishes are limited to Black, OD Green, or Flat Dark Earth.

In all cases, the AAR17 has free-float handguards.

Some shooters have noticed that the blowback system of the AAR17 can produce inconsistent velocities from the .17 HMR ammunition, and this can affect accuracy. Shooters, gunsmiths, and Alexander Arms themselves have not been able to figure out this problem. On the other hand, some shooters have been able to bag game as large as coyotes with the AAR17.

Weapon	Ammunition	Weight	Magazines	Price
AAR17 Rifle	.17 Hornady Magnum Rimfire	2.72 kg	10	\$392
AAR17 Tactical	.17 Hornady Magnum Rimfire	3.29 kg	10	\$420

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
AAR17 Rifle	SA	2	1-Nil	4/5	1	Nil	47
AAR17 Tactical	SA	2	1-Nil	4/5	1	Nil	47

Alexander Arms R175T

Notes: Another rimfire AR-15 clone, the R175T fires for more powerful .17 Hornady Magnum Rimfire cartridge. Two versions are available (actually three, but the first two are virtually identical): Standard and Monolithic. The design retains the buffer/spring/tube assembly of the AR-15, allowing for the firing of a wide variety of loads and bullet weights. (The buffer unit is heavier than an AR-15 buffer.) It also speeds up cycling time (not important by Twilight 2000 v2.2 rules). An unfortunate side effect is that the .17 round has insufficient power to lock open the bolt after the last shot. In addition, the R175T is designed specifically work with the installed hammer -and trigger, and strongly does not recommend replacing the trigger unit. (If you really want to replace the trigger unit, Alexander Arms recommends the Alexander Arms TTU or the Geissele SSA.) The R175T has an 18-inch heavy fluted barrel tipped by an A1-type flash suppressor and a six-position sliding stock.

The monolithic version has a molded in MIL-STD-1913 rail, with the receiver rail and handguard rail joining to form one rail. The handguards on this version are of aluminum.

Weapon	Ammunition	Weight	Magazines	Price
R175T (Standard)	.17 Hornady Magnum Rimfire	4.22 kg	10	\$491

R175T (Monolithic)	.17 Hornady Magnum Rimfire	4.68 kg	10	\$496
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Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
R175T (Standard)	SA	2	1-Nil	4/5	1	Nil	47
R175T (Monolithic)	SA	2	1-Nil	4/5	1	Nil	47

AMAC .22 Carbine

Notes: This is a semiautomatic rifle patterned after the M2 Carbine. It is grooved for a scope. Like many such weapons, the US and European public had a strange fascination with M-1 Carbine clones after World War 2, and the AMAC .22 Carbine benefited from this.

Weapon	Ammunition	Weight	Magazines	Price
AMAC .22 Carbine	.22 Long Rifle	2.63 kg	15	\$235
AMAC .22 Carbine	.22 Winchester Magnum Rimfire	2.63 kg	15	\$256

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
AMAC .22 Carbine (.22 Long Rifle)	SA	1	Nil	5	1	Nil	38
AMAC .22 Carbine (.22 Magnum)	SA	1	Nil	5	1	Nil	47

AMT Lightning

Notes: The Lightning was first introduced in 1986 as a .22 Long Rifle "military-type" design (patterned after the Ruger 10/22), with a 17.5-inch barrel (tapered or bull), satin-finish stainless steel metalwork, and a nylon body filled with fiberglass. The rifle has a skeletal stock which folds to the right, and is made from tubular metal with a buttplate that is equipped with a ventilated rubber recoil pad. Later known as the Lightning 25/22 (for the 25-round magazine it was sold with at the time and the 22-inch barrel it used), 30-round magazines were later available, and it could also use the 10-round box magazines of other Lightnings, as well as a 50-round drum. As with all Lightning models, it has conventional iron sights as well as being grooved for a scope mount. This capacity, and the "military" looks of the weapon, quickly made it a target of the Brady Gun Bill and Assault Weapons Ban, and this original version of the Lightning was discontinued.

In 1986, a version of the Lightning called the SGH (Small Game Hunting) appeared. Though it looks like a totally different weapon, it is in fact a Lightning with a conventional wood stock and a 22 or 24-inch heavy barrel. It is no longer in production. A Small Game Hunter II version was also built; this version had a black nylon stock; the buttplate had a recoil pad, and the buttplate was removable, revealing compartments for an extra magazine, a cleaning kit, and a small knife. The barrel was a 22-inch heavy barrel. 1992 brought the Lightning Hunting Rifle, which was essentially a Small Game Hunter II chambered for the .22 Winchester Magnum Rimfire round. The magazine in both cases are internal rotary types. The Small Game Hunter II and Lightning Hunting Rifle were built until 1996. The Magnum Hunter was introduced in 1996, and is still being built by Galena; it has a 20, 22, or 24-inch free-floating heavy barrel, and a fiberglass/nylon stock with a s4.22-2.554 traight comb and no cheekpiece. The standard magazine is a 5-round internal rotary magazine, but at customer request a 10-round internal rotary magazine may be installed instead.

Twilight 2000 notes: The Magnum Hunter is an extremely rare weapon in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
Lightning (Tapered Barrel)	.22 Long Rifle	2.72 kg	10, 25, 30, 50 Drum	\$286
Lightning (Bull Barrel)	.22 Long Rifle	2.74 kg	10, 25, 30, 50 Drum	\$291
Lightning 25/22 (Tapered Barrel)	.22 Long Rifle	2.72 kg	10, 25, 30, 50 Drum	\$333
Lightning 25/22 (Bull Barrel)	.22 Long Rifle	2.74 kg	10, 25, 30, 50 Drum	\$339
Lightning SGH (22" Barrel)	.22 Long Rifle	3.19 kg	10, 25, 30, 50 Drum	\$308
Lightning SGH (24" Barrel)	.22 Long Rifle	3.27 kg	10, 25, 30, 50 Drum	\$330
Lightning SGH (22" Barrel)	.22 Winchester Magnum Rimfire	3.27 kg	10, 25, 30, 50 Drum	\$350
Lightning SGH (24" Barrel)	.22 Winchester Magnum Rimfire	3.35 kg	10, 25, 30, 50 Drum	\$372
Lightning SGH II	.22 Long Rifle	2.7 kg	10 Internal	\$319
Lightning Hunting	.22 Winchester Magnum Rimfire	2.78 kg	10 Internal	\$361
Lightning Magnum Hunter (20" Barrel)	.22 Winchester Magnum Rimfire	2.72 kg	5 or 10 Internal*	\$340
Lightning Magnum Hunter (22" Barrel)	.22 Winchester Magnum Rimfire	2.81 kg	5 or 10 Internal*	\$360
Lightning Magnum Hunter (24" Barrel)	.22 Winchester Magnum Rimfire	2.88 kg	5 or 10 Internal*	\$382

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Lightning (Tapered)	SA	1	Nil	3/5	1	Nil	37
Lightning (Bull)	SA	1	Nil	3/5	1	Nil	38

Lightning 25/22 (Tapered)	SA	1	Nil	4/5	1	Nil	46
Lightning 25/22 (Bull)	SA	1	Nil	4/5	1	Nil	47
Lightning SGH (22", .22 LR)	SA	1	Nil	5	1	Nil	46
Lightning SGH (24", .22 LR)	SA	1	Nil	6	1	Nil	50
Lightning SGH (22", .22 Magnum)	SA	1	Nil	6	1	Nil	61
Lightning SGH (24", .22 Magnum)	SA	1	Nil	6	1	Nil	67
Lightning SGH II	SA	1	Nil	5	1	Nil	46
Lightning Hunting	SA	1	Nil	5	1	Nil	61
Lightning Magnum Hunter (20")	SA	1	Nil	5	1	Nil	54
Lightning Magnum Hunter (22")	SA	1	Nil	6	1	Nil	61
Lightning Magnum Hunter (24")	SA	1	Nil	6	1	Nil	67

*If the Lightning Magnum Hunter is equipped with a 10-round magazine, add \$1 to the cost of the rifle.

AR-57

Notes: Produced by a company called, appropriately enough, AR57, the AR-57 is an AR-15A2 with a new upper receiver and barrel which allows the weapon to fire the 5.7mm FN cartridge. Certain parts of the AR-15A2 (or A3) version (with or without a sliding stock) are required to use this modification; it will not work on a stock AR-15 or AR-15A1, as it will not cycle properly, and essentially produces a bolt-action rifle. The new upper receiver comes in a version with 16.04-inch barrel or (where legal) an 11-inch-barrel SBR configuration. Both FNH and AR57 produce proper magazines for use with this configurations; though aftermarket magazines are produced by ATI and KCI, these magazines have proven prone to failure in the AR-57 conversion. The 5.7mm FN round performs quite well in the longer barrels, increasing range, stopping power and penetration (unfortunately, not measureable in Twilight 2000 terms), and the resulting conversion is slightly lighter than the standard AR-15A2 or A3. The AR-57 conversion is primarily sold as an upper receiver set and magazine well conversion and not as a complete rifle.

Weapon	Ammunition	Weight	Magazines	Price
AR-57 (Fixed Stock, 16.04" Barrel)	5.7mm FN	2.15 kg	10, 20, 30	\$425
AR-57 (Fixed Stock, 16.04" Barrel)	5.7mm FN	2.15 kg	10, 20, 30	\$445
AR-57 (Fixed Stock, 11" Barrel)	5.7mm FN	1.95 kg	10, 20, 30	\$372
AR-57 (Fixed Stock, 11" Barrel)	5.7mm FN	1.95 kg	10, 20, 30	\$392
AR-57 16.04" Upper	N/A	\$82	N/A	\$204
AR-57 11" Upper	N/A	\$75	N/A	\$179

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
AR-57 (Fixed Stock, 16.04")	SA	2	1-Nil	5	3	Nil	42
AR-57 (Fixed Stock, 16.04", HV)	SA	2	1-1-Nil	5	3	Nil	50
AR-57 (Folding Stock, 16.04")	SA	2	1-Nil	4/5	3	Nil	42
AR-57 (Folding Stock, 16.04", HV)	SA	2	1-1-Nil	4/5	3	Nil	50
AR-57 (Fixed Stock, 11")	SA	2	1-Nil	4	2	Nil	25
AR-57 (Fixed Stock, 11", HV)	SA	2	1-1-Nil	4	2	Nil	30
AR-57 (Folding Stock, 11")	SA	2	1-Nil	3/4	2	Nil	25
AR-57 (Folding Stock, 11", HV)	SA	2	1-1-Nil	3/4	2	Nil	30

Armalite AR-7 Explorer

Notes: The AR-7 was originally designed in 1958 (and manufactured from 1959-73) by Eugene Stoner as a company venture to provide US aircrews with a survival weapon. The US military asked for any such weapon, and though they were interested in it for a short time, it was quickly decided that aircrews already had enough to carry in their small survival packs, and that the AR-7 was simply too big despite its takedown configuration and generally small size. The AR-7 then acquired a niche with hunters and campers as a survival and self-defense weapon, and has been sold ever since by one company or another, though Armalite itself did not begin production again until 1999.

The original AR-7 was quite the interesting weapon. It was built almost entirely of high-impact plastic and aluminum alloy; even the barrel was aluminum alloy with a rifled, chromed steel sleeve for the bore. The receiver and barrel can be disassembled and inserted entirely within the stock and the watertight buttplate shut; in this configuration, the AR-7 will easily float, and provides a very small package for transport (only 16 inches long). The barrel of this original model was 16 inches; the receiver was quite compact, and the rifle fed by an 8-round magazine that fit flush with the front of the receiver. (The Armalite model is also able to take the higher-capacity magazines that became available with future versions of the AR-7, though they did not appear until much later.) The rear

sight was a peep-type sight with two flip apertures adjustable for elevation; the front sight is an unprotected post on a small ramp which is adjustable for windage. Armalite also produced a deluxe version of the AR-7 called the AR-7 Custom; this is essentially the same as the standard AR-7 Explorer, but had the plastic stock replaced with a hollow walnut stock which is weatherproofed and has a raised cheekpiece. (The rest of the rifle could still be stored inside the stock, and reputedly the AR-7 Custom could still float, though not as well.)

From 1973-90, the AR-7 was primarily produced by Charter Arms. (Many shooters say that this is where the quality of the AR-7 began to suffer heavily; there were lots of complaints of warping barrels, imperfections in the new aperture sights, and imperfections in the mechanism leading to frequent jamming.) When Charter Arms merged with Henry Repeating Arms in 1980, these imperfections disappeared, since the AR-7 was now being produced by the Henry side of the house. Henry Repeating Arms completely bought out the AR-7 design in 1997, calling it the Henry US Survival Rifle. During the AR-7's ownership of the AR-7, they also produced the Explorer II pistol version of the AR-7 (detailed elsewhere). Other than its early imperfections, the Charter Arms AR-7 is identical to the original plastic-stocked Armalite AR-7 Explorer for game purposes. From 1990-97, the AR-7 Explorer was also licensed to Survival Arms of Florida; this version is also identical for game purposes to the AR-7 Explorer.

In 1998, the AR-7 design was sold to (appropriately enough) to AR-7 Industries of Connecticut, and then began production by Armalite by Armlite again in 1999. (Who has the actual license is something I cannot quite figure out at present; however, as far as I can tell, Armalite is no longer selling the AR-7.) Though updated to modern standards, the AR-7 produced by AR-7 Industries is essentially the same as the original AR-7 Explorer for game purposes.

The AR-7 Explorer design was also sold to Israel, also as a pilot's survival rifle. They encountered the same problems as the US military, even after shortening the barrel to 13.5 inches. It then morphed into a civilian rifle with barrel lengths of 16 or 13.5 inches, a new (still hollow) stock with a true pistol grip (borrowed from the FAL), a front sight based on the K-98 Mauser, sling swivels, and standard drilling and tapping for scope rings. These versions were later imported in the US by BTC (the Bricklee Trading Corporation), though the version with the 13.5-inch barrel had to have a 3-inch-long muzzle brake added to the muzzle to comply with US firearms regulations. The IMI and BTC 16-inch-barrel versions are identical to the Armalite AR-7 Explorer for game shooting purposes, though there are slight weight and price differences; the others are detailed below.

Over the years, various manufacturers have produced aftermarket magazines for the AR-7, with capacities of 10, 15, 25, 30, and 50 rounds; all are stick-type box magazines. In addition, a plethora of other aftermarket accessories are also available for the AR-7, from folding stocks to wooden stocks, composite stocks, fore-ends of various of materials, and even odd accouterments such as scope mounts (including mounts like Weaver and MIL-STD-1913 rails) and foregrips. (In fact, many of the aftermarket accessories designed for the Ruger 10/22 and AMT Lightning rifle are useable by the AR-7.) Still being produced in its standard form by AR-7 Industries, the AR-7 Explorer will probably be around for a long time.

Weapon	Ammunition	Weight	Magazines	Price
Armalite AR-7 Explorer	.22 Long Rifle	1.13 kg	8 (But See Above)	\$221
Armalite AR-7 Custom	.22 Long Rifle	1.19 kg	8 (But See Above)	\$211
IMI AR-7 Explorer (16" Barrel)	.22 Long Rifle	1.15 kg	8 (But See Above)	\$224
IMI/BTC AR-7 Explorer (13.5" Barrel)	.22 Long Rifle	1.1 kg	8 (But See Above)	\$196
BTC AR-7 Explorer (13.5" Barrel)	.22 Long Rifle	1.16 kg	8 (But See Above)	\$246

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
AR-7 Explorer	SA	1	Nil	5*	2	Nil	33
AR-7 Custom	SA	1	Nil	5*	2	Nil	33
IMI AR-7 Explorer (13.5")	SA	1	Nil	4*	2	Nil	27
BTC AR-7 Explorer (13.5")	SA	1	Nil	5*	1	Nil	27

*In its takedown/stored configuration, the AR-7 has a bulk of 3; but it *cannot be fired* in this configuration!

Atlantic/Definitive AKX-9

Notes: Unlike the typical AK-derived weapon, the AKX-9 is chambered for the 9mm Parabellum round. The AKX-9 was designed by Atlantic Firearms, but is being built by Definitive Firearms; one can buy an AKX-9 from either company. Definitive, it should be noted, does not mass-produce weapons, but rather build each upon receiving an order and are essentially handmade (though with interchangeable parts), with parts hand-fitted and hand-lapped and barrel grooves hand-built into the barrel. They have hand-fitted side rail scope mounts. The muzzles are threaded, allowing the mounting of alternate flash suppressors, muzzle brakes, or suppressors. All have KG Gun Kote finishes and a bolt-hold-open feature, one that Russian AKs lack. IRL, this makes for a more expensive weapon, but the proof is in the quality. They are also designed to be convertible to automatic fire, again subject to government approval; the parts for such a conversion are not available from Atlantic or Definitive without proper paperwork attached to the order, and the US government is really stingy about issuing Class 3 licenses.

There are four version of the AKX-9: the classic AKX-9C rifle with a wooden stock, wooden forearm, and a 20-inch barrel; a carbine version of the AKX-9 with a 16-inch barrel and AK-105-type stock, black polymer folding stock and a black polymer fore-end, as well as a simple flash suppressor consisting of slots near the end of the barrel; another version, basically the same as the AKX-9R but with a 16-inch barrel and called the AKX-9RM; this version, however, has a fixed stock. A pistol version called the AKX-9P has an 11.125-inch and an included arm brace. Unlike most rifle-based pistols, the AKX-9P is set up for most stocks to be attached, subject to government approval of course.

A version with automatic capabilities is included below.

Weapon	Ammunition	Weight	Magazines	Price
AKX-9C	9mm Parabellum	3.08 kg	32	\$317
AKX-9R	9mm Parabellum	3.08 kg	32	\$305
AKX-9RM	9mm Parabellum	3.08 kg	32	\$285
AKX-9P	9mm Parabellum	1.96 kg	32	\$133
AKX-9P (Brace)	9mm Parabellum	2.56 kg	32	\$153
AKX-9P (SBR)	9mm Parabellum	2.81 kg	32	\$164

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
AKX-9C	5	2	1-Nil	5	1	3	48
AKX-9R	5	2	1-Nil	3/5	1	3	37
AKX-9RM	5	2	1-Nil	5	1	3	37
AKX-9P	5	1	Nil	1	1	3	11
AKX-9P (Brace)	5	1	Nil	1	1	3	13
AKX-9P (SBR)	5	1	Nil	3	1	3	30

Big Horn Armory AR500

Notes: When Big Horn designed the AR500, they wanted an AR-type rifle firing a cartridge with the power of a S&W 500 Magnum, but able to chamber in a semiautomatic rifle without undue modifications. Also under consideration was the cost of the round and repeated shooting for practice – Nitro Express rounds are powerful, but very expensive for the average gun owner (much more than the game prices on the Ammunition Pages). Nitro Express rounds also kick like a mule, further inhibiting practice, while something like the S&W 500 Magnum does not kick so much in something the size of a rifle, even an AR. Thus Big Horn created the .500 Auto Max round, essentially a rimless version of the S&W .500 Magnum.

The AR500 shows its AR heritage at first glance, but internally has a number of modifications, particularly to the bolt and bolt carrier group. The magazine well is larger than a standard AR, and the magazines are specially designed for the AR500, with an upper portion allowing the magazine to fit into the AR-10 magazine well, and a modified AR-15 magazine which fits through the AR-10 magazine form. The AR500 is in fact designed on an AR-10 base, with a full-length Picatinny Rail atop the receiver and handguard. The rifle comes with iron rear and front sights which attach to the Picatinny Rail and can be folded down. The barrel is an 18-inch bull barrel, which is threaded at the end to allow the use of flash suppressors, other muzzle brakes, and suppressors. The crown is recessed to facilitate this. Finish is normally black. The stock is a sliding Blue Force stock with a recoil pad on the butt. The handguards are M-LOKs which allow the barrel to free-float. The upper and lower receiver are of 7075 black anodized aluminum, with a Hunter Black Nitride coating overlaying this. The barrel is not anodized (like any steel part), but has the Hunter Black Nitride coating.

Weapon	Ammunition	Weight	Magazines	Price
AR500	.500 Auto Max	4.08 kg	5, 9	\$812

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
AR500	SA	5	1-2-3	5/6	2	Nil	57

Bushmaster Carbon-15 9mm Carbine

Notes: Bushmaster bought out the Carbon-15 Arms Company in late 2004; one of the products they have produced since then based on the Carbon-15 is a 9mm carbine. The receiver is very much like a smaller version of that of an AR-15-type receiver, but of course, built from high-strength composites for both the upper and lower receivers instead of aluminum alloy (with steel reinforcement where necessary). The upper receiver is a flattop-type and has a MIL-STD-1913 rail; this rail comes equipped with a removable two-aperture flip-type rear sight (adjustable only for windage); however, the Carbon-15 9mm Carbine's close-range aperture is considered by most experts to be too large, while the long-range aperture is considered to be too small. Mechanical operation is a bit noisy, and the magazine release is a bit stiff (a workaround is to push upward while pushing in on the button). The action, however, is extremely reliable, and the Carbon-15 9mm Carbine is able to digest most 9mm Parabellum ammunition. The stock is a collapsible M-4-type stock, also made mostly of composites. Magazines are also composite, but the action, barrel, trigger and guard, and some other parts are of high-grade steel and generally dark Parkerized. The composite portions are normally sold in black, but Bushmaster also makes them in other colors, and will finish the exterior metalwork to match. There is no forward assist on the Carbon-15 9mm Carbine, and the action is blowback instead of using gas operation. The barrel is 16 inches long and tipped with an M-16A2-type flash suppressor.

Weapon	Ammunition	Weight	Magazines	Price
Carbon-15 9mm Carbine	9mm Parabellum	2.59 kg	30	\$301

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Carbon-15 9mm Carbine	SA	2	Nil	3/5	1	Nil	35

Bushmaster A-TACS Predator Rifle

Notes: The A-TACS is a varmint/small game hunting rifle; as such, it has the same basic features as most dedicated varminters have, such a fluted bull 20-inch rifle tipped with a target crown and made from chrome-moly steel. The base of the rifle is an AR-15, with the entire external finish being digital camouflage except for the sights and the barrel. The trigger is two-stage, with a 3.5-pound takeup and a one-pound letoff. Atop the flattop receiver is a MIL-STD-1913 rail, with buildup blocks for the front and rear of the primary rail. The handguards are of extended length, textured, and ventilated with long slots around the front and rear of the handguards.

Weapon	Ammunition	Weight	Magazines	Price
A-TACS Predator	5.56mm NATO	3.63 kg	5, 10, 20, 30	\$616

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
A-TACS Predator	SA	3	1-Nil	6	2	Nil	59

C&S Metall-Werkes Krinker-Plinker

Notes: Despite the sound of the company's name, C&S Metall-Werkes is a company in St. Charles, Missouri. They make various accessories for existing weapons, and one of them is the Krinker-Plinker kit for the Ruger 10/22, which turns it into a lookalike for the more modern versions of the AKS-74U. The receiver and internal parts mostly remain the same as a Ruger 10/22, though the trigger module is replaced with a full-automatic John Norrell-designed trigger pack. The exterior is dressed up to look like an AK, with a charging handle on the right, though the characteristic paddle-type selector lever is absent; instead, a switch-type selector on the left side near the trigger is used. The magazine release of the Ruger 10/22 is connected to a magazine release that is similar to that of an AK, and the furniture (made of polymer) is virtually identical to the latest iterations of the AK series. A skeletonized folding stock is used in place of the standard Ruger 10/22 stock. (Many shooters say the stock is too short, but it can be gotten used to quickly; however, the length of the stock does affect eye relief for the sights.) The barrel may be of two lengths, depending upon what licenses and money one has for licensing: an 8.5-inch barrel tipped with a flash suppressor similar to that of the AKS-74U, and a 16.1-inch barrel which is usually hidden and strengthened with a faux silencer. Both are heavy-gauge and match-grade. The 8.5-inch barrel can also have the flash suppressor removed and replaced by an actual silencer. The sights are designed to look like those of an AKS-74U, but in fact operate like those of an AR-15A2. Atop the receiver is a MIL-STD-1913 rail. The Krinker-Plinker can use any magazine compatible with a Ruger 10/22, including aftermarket magazines; C&S sells the kit with 25 round magazines.

Weapon	Ammunition	Weight	Magazines	Price
Krinker-Plinker (8.5" Barrel)	.22 Long Rifle	2.2 kg	10, 25	\$169
Krinker-Plinker (8.5" Barrel, Silenced)	.22 Long Rifle	2.42 kg	10, 25	\$213
Krinker-Plinker (16.1" Barrel)	.22 Long Rifle	2.6 kg	10, 25	\$249

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Krinker-Plinker (8.5")	5	1	Nil	2/3	1	2	17
Krinker-Plinker (8.5", Silenced)	5	1	Nil	2/4	1	2	14
Krinker-Plinker (16.1")	5	1	Nil	3/5	1	2	34

Calico M100

Notes: A folding-stock civilian carbine, the Calico was introduced in the US in the late 1980s and gained considerable popularity in the US and Europe. The Calico is a small, light weapon with an unusual helical-feed magazine which rests above the rear of the receiver. It is a well-balanced design, which is easily fired with one hand. It was, unfortunately, one of the first weapons to fall victim to the Brady Gun Bill, due to the high-capacity helical magazines.

Twilight 2000 Notes: The Brady Gun Bill was never passed in the Twilight 2000 World.

Weapon	Ammunition	Weight	Magazines	Price
Calico M100	.22 Long Rifle	1.91 kg	50 Helical, 100 Helical	\$241

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Calico M100	SA	1	Nil	3/4	1	Nil	33

Calico M900S

Notes: This is a version of the M100 (see above) designed for the 9mm Parabellum cartridge. It is very similar to that weapon, as well as the assault rifles and submachineguns based on the same design. The main difference is the longer barrel (to comply with US firearms laws), the removal of the automatic fire feature, and those changes necessary to allow the use of the larger caliber. The large magazines got it targeted early by the Brady Gun Bill and its successors. The M900S Carbine is a shorter-barreled version of the

M900S; a pre-ban weapon, it has a shorter barrel and a flash suppressor.

Weapon	Ammunition	Weight	Magazines	Price
Calico M900S	9mm Parabellum	3.2 kg	50 Helical, 100 Helical	\$280
Calico M900S Carbine	9mm Parabellum	2.87 kg	50 Helical, 100 Helical	\$302

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Calico M900S	SA	2	1-Nil	5	1	Nil	36
Calico M900S Carbine	SA	2	1-Nil	3/5	1	Nil	32

Charles Daly Field Grade .22 Semiautomatic

Notes: This weapon actually comes in two versions: The standard Field Grade, with metal parts made from chrome-molybdenum steel and a blued finish, and the Field Grade Stainless with metal parts made from stainless steel. (Both are identical for game purposes.) These rifles have hardwood stocks and are recoil-operated. They have dovetail rails for the mounting of telescopic sights, and backup iron sights which include a folding adjustable leaf rear sight.

Twilight 2000 Notes: Until 1998, this rifle was sold under the Armscor of Philippines name as the M-2000, and therefore does not exist as such in the Twilight 2000 world.

Weapon	Ammunition	Weight	Magazines	Price
Field Grade	.22 Long Rifle	2.8 kg	10	\$258

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Field Grade	SA	1	Nil	5	1	Nil	42

Clark Gator

Notes: This AR-15 variant features a prominent Miculek muzzle brake that virtually eliminates muzzle blast and greatly reduces recoil. As the Gator was designed for competition, the brake was included to reduce shot recovery time. The Gator also has an adjustable gas system; this allows for more flexibility in ammunition loads to be used. The top of the receiver has a MIL-STD-1913 rail, while another short rail is located where the front sight post is normally located on an AR-15. This allows iron sights to be mounted, but also allows the maximum flexibility in sight and scope types. (The Gator does not come with iron sights from the factory.) The handguard is round and made from light carbon fiber, and allows the barrel to free-float. (A vented aluminum handguard is available if the buyer wishes.)

Twilight 2000 Notes: This weapon does not exist.

Weapon	Ammunition	Weight	Magazines	Price
Gator (20" Barrel)	5.56mm NATO	3.63 kg	10, 20, 30	\$1174
Gator (24" Barrel)	5.56mm NATO	3.7 kg	10, 20, 30	\$1216

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Gator (20" Barrel)	SA	3	1-Nil	6	2	Nil	58
Gator (24" Barrel)	SA	3	1-Nil	7	2	Nil	72

CMMG Mk 4

Notes: This is sold both as a complete rifle and as an upper/bolt carrier combination which can be placed on any AR-15-type lower. The upper actually sells better than the complete rifle.

The Mk 4 PDW is a shorty version of the Mk 4. It has a MIL-STD-1913 rail atop the receiver, which locks into the rail atop the handguard. The other three positions on the handguard have RKM7 KeyMod slots, capable of mounting just about any accessory with an adapter (often, these days, included with the accessory), or even MIL-STD-1913 rails or Weaver rails. M-Lok slots in place of the KeyMod slots is an option. Between the rail/KeyMod slots are rows of cooling slots. The barrel is a short 9 inches, tipped with an A2-type flash suppressor, and the barrel is made from nitrided 4140 CrMo steel alloy. The upper, lower, and aluminum handguard is finished in Cerakote in FDE, Burnt Bronze, Midnight Bronze, Sniper Gray, and Titanium. The receivers and handguard are made of standard AR-15 7075-T6 aluminum. The stock is a Magpul MOE in polymer in the same color choices as the metalwork, adjustable with six positions. The pistol grip and trigger guard are also Magpul MOE designs.

The Mk 4 RCE has similar fit and finish and features to the Mk 4 PDW, but uses a 16-inch medium-taper barrel tipped with a CMMG SV muzzle brake (which is similar in appearance to the AK-74M's brake). The handguards are longer, with an appropriately longer length of MIL-STD-1913 rail and KeyMod or M-LOK slots down the length of the handguard. The RCE has a Geissele SSA 2-stage match-quality trigger. Instead of the Magpul MOE stock, the RCE has the very similar, but lighter Magpul CTR stock. The .22 Nosler version uses an 18-inch barrel instead of a 16-inch barrel.

The Mk 4 3GR was designed for both the novice and the veteran 3-Gun competitor. Many features and finishes of the 3GR are the same as the rest of the Mk 4 series, but the 3GR has an 18-inch 416 stainless steel medium profile barrel tipped with a CMMG SV muzzle brake. The rifle has a Geissele 2-stage match-quality trigger and is equipped with a Magpul MOE pistol grip, trigger guard and

fixed stock in a club foot design. The stock has a hollow portion for batteries and tools ranging from a cleaning kit to “quick-fix” tools.

The Mk 4 B16 is designed for both designated marksmen and hunters who need a compact yet accurate rifle. The barrel is a 16-inch bull-profile stainless steel nitrided barrel tipped with a target crown. The handguards are RKM11 free-float handguards with rails like the rest of the series atop and similar handguard-length rows of KeyMod or M-LOK slots. The stock is an M4-type adjustable stock. The trigger is identical to a standard military trigger. The Mk 4 B18 is virtually the same, but it has an 18-inch barrel and the barrel is tipped with a CMMG SV muzzle brake.

The new Mk 4 S is similar to the B18, but comes with an 18, 22, or 24-inch barrel, and fires the new .22 Nosler round. The Mk 4 P is similar, but has a fixed club foot stock. The Mk 4 V2 is also similar to the Mk 4 P, but has much shorter 14-inch handguards and has barrels tipped with a target crown.

The Mk 4 HT is designed for competitions, whether accuracy or tactical competitions like 3-Gun. The barrel is an 18-inch heavy profile barrel which may be stainless steel-coated or nitrided on the 5.56mm or .300 versions, and nitrided only on the .22 LR version. All three are tipped with a target crown, and made of 4140 CrMo steel alloy. The stock and pistol grip are M4-type, and the handguards are a short 11 inches. They have a Mil-Spec trigger. The upper is an M4-type, while the lower is an AR-15-type; both are made from nitrided 7075-T6 aluminum.

The Mk 4 LE is, as the name suggests, designed for Law Enforcement use, though it is also available to civilians. It is made light and handy for maneuvering in CQB environments. It has a 16.1-inch 4140 CrMo steel alloy barrel which has a military profile and is tipped with an A2-type flash suppressor. It has an M-4-type stock, pistol grip, handguards, and front sight, with a receiver topped by a MIL-STD-1913 rail. It comes with a BUIS for a rear sight.

Weapon	Ammunition	Weight	Magazines	Price
Mk 4 PDW	.22 Long Rifle	2.4 kg	25	\$172
Mk 4 PDW	9mm Parabellum	2.4 kg	5, 10, 25, 32, 40	\$234
Mk 4 PDW	.300 Blackout	2.4 kg	5, 10, 20, 30	\$699
Mk 4 RCE	5.56mm NATO	3.04 kg	5, 10, 20, 30	\$639
Mk 4 RCE	.300 Blackout	3.04 kg	5, 10, 20, 30	\$817
Mk 4 RCE	.22 Nosler	3.14 kg	10	\$670
Mk 4 3GR	5.56mm NATO	3.18 kg	5, 10, 20, 30	\$635
Mk 4 B16	5.56mm NATO	3.27 kg	5, 10, 20, 30	\$592
Mk 4 B18	5.56mm NATO	3.5 kg	5, 10, 20, 30	\$614
Mk 4 S (18" Barrel)	.22 Nosler	2.95 kg	10	\$664
Mk 4 S (22" Barrel)	.22 Nosler	3.31 kg	10	\$707
Mk 4 S (24" Barrel)	.22 Nosler	3.4 kg	10	\$729
Mk 4 P (18" Barrel)	.22 Nosler	3 kg	10	\$644
Mk 4 P (22" Barrel)	.22 Nosler	3.36 kg	10	\$687
Mk 4 P (24" Barrel)	.22 Nosler	3.45 kg	10	\$709
Mk 4 V2 (18" Barrel)	.22 Nosler	2.9 kg	10	\$664
Mk 4 V2 (22" Barrel)	.22 Nosler	3.26 kg	10	\$707
Mk 4 V2 (24" Barrel)	.22 Nosler	3.35 kg	10	\$729
Mk 4 HT	.22 Long Rifle	3.18 kg	25	\$268
Mk 4 HT	5.56mm NATO	3.18 kg	5, 10, 20, 30	\$612
Mk 4 HT	.300 Blackout	3.18 kg	5, 10, 20, 30	\$788
Mk 4 LE	.22 Long Rifle	2.81 kg	25	\$246
Mk 4 LE	9mm Parabellum	2.81 kg	5, 10, 25, 32, 40	\$309
Mk 4 LE	5.56mm NATO	2.81 kg	5, 10, 20, 30	\$594
Mk 4 LE	.300 Blackout	2.81 kg	5, 10, 20, 30	\$776

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Mk 4 PDW (.22)	SA	1	Nil	2/3	1	Nil	17
Mk 4 PDW (9mm)	SA	2	Nil	2/3	1	Nil	19
Mk 4 PDW (.300)	SA	3	2-Nil	3/5	3	Nil	19
Mk 4 RCE (5.56mm)	SA	3	1-Nil	4/5	2	Nil	41
Mk 4 RCE (.300)	SA	3	2-Nil	4/6	3	Nil	45
Mk 4 RCE (.22 Nosler)	SA	3	1-1-Nil	4/6	2	Nil	58
Mk 4 3GR	SA	3	1-Nil	6	2	Nil	47
Mk 4 B16	SA	3	1-Nil	4/5	2	Nil	42
Mk 4 B18	SA	3	1-Nil	4/6	2	Nil	50
Mk 4 S (18" Barrel)	SA	3	1-1-Nil	5/6	2	Nil	60
Mk 4 S (22" Barrel)	SA	3	1-1-Nil	5/7	2	Nil	79
Mk 4 S (24" Barrel)	SA	3	1-1-Nil	6/7	2	Nil	87
Mk 4 P (18" Barrel)	SA	3	1-1-Nil	6	2	Nil	60
Mk 4 P (22" Barrel)	SA	3	1-1-Nil	6	2	Nil	79

Mk 4 P (24" Barrel)	SA	3	1-1-Nil	6	2	Nil	87
Mk 4 V2 (18" Barrel)	SA	3	1-1-Nil	5/6	2	Nil	60
Mk 4 V2 (22" Barrel)	SA	3	1-1-Nil	5/7	2	Nil	79
Mk 4 V2 (24" Barrel)	SA	3	1-1-Nil	6/7	2	Nil	87
Mk 4 HT (.22 LR)	SA	1	Nil	3/5	1	Nil	38
Mk 4 HT (5.56mm)	SA	3	1-Nil	4/6	3	Nil	49
Mk 4 HT (.300 Blackout)	SA	4	2-Nil	5/6	4	Nil	53
Mk 4 LE (.22 LR)	SA	1	Nil	3/4	1	Nil	34
Mk 4 LE (9mm)	SA	2	1-Nil	3/5	1	Nil	36
Mk 4 LE (5.56mm)	SA	3	1-Nil	4/6	3	Nil	41
Mk 4 LE (.300)	SA	3	2-Nil	5/6	4	Nil	46

Colt Colteer Semiautomatic

Notes: This semiautomatic rimfire rifle is a very simple design, fed from a tubular magazine rather than a box magazine. It was built for about 10 years between the mid-1960s and mid-1970s, and about 25,000 were manufactured. It is about as simple a semiautomatic rifle as possible. Two variants were built; the Colteer Courier, with a pistol grip stock (identical in game terms), and the Colteer Stagecoach, with short 16.5-inch barrel, and side plates with an engraved stagecoach hold-up scene; about 25,000 of these were also built.

Weapon	Ammunition	Weight	Magazines	Price
Colteer	.22 Long Rifle	2.2 kg	15 Tubular	\$245
Colteer Stagecoach	.22 Long Rifle	2.11 kg	13 Tubular	\$215

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Colteer	SA	1	Nil	5	1	Nil	40
Colteer Stagecoach	SA	1	Nil	4	1	Nil	34

DoubleStar STAR-15 STARCAR/Dissipator

Notes: This is an arms venture by DoubleStar Corporation. The STARCAR and Dissipator are basically two of their versions of AR-15A2 rifles. The STARCAR is a basic semiautomatic version of the M-4 assault rifle; the automatic fire capability has been removed, the carrying handle replaced by a Picatinny Rail, the bayonet lug removed, and the flash suppressor replaced by a pepperpot-type muzzle brake that passes US arms regulations. The Dissipator is the same, except that it uses full-length AR-15A2 handguards with the front sight post moved accordingly (so it is almost at the muzzle). It also normally still has the familiar carrying handle.

Twilight 2000 Notes: This weapon does not exist in the Twilight 2000 timeline.

Merc 2000 Notes: The Merc 2000 versions of these weapons are almost identical, but they still have the standard flash suppressor as an option, as well as the bayonet lug. In addition, they are normally sold with 20 or 30 round magazines.

Weapon	Ammunition	Weight	Magazines	Price
STARCAR	5.56mm NATO	3.22 kg	10, 20, 30	\$630
Dissipator	5.56mm NATO	3.42 kg	10, 20, 30	\$630

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
STARCAR	SA	3	1-Nil	4/5	2	Nil	40
Dissipator	SA	3	1-Nil	4/5	2	Nil	40

DoubleStar Supermatch

Notes: Though specifically designed for target shooters, this rifle would find equal utility as a sniper rifle or designated marksman's rifle. The barrel is a bull profile barrel and made from stainless steel, in addition to being cold forged. The barrel is tipped by a target crown, and the barrel may be 20 or 24 inches with a 1x8 or 1x10 twist (at the owner's option). The barrel may, at the owner's option, be finished with black nitride; other options include a fluted barrel, a ported barrel, a Timney trigger pack, a KNC Non-Rotational Hammer Trigger Pin set, and an Ace SOCOM Long Stock (non-collapsing). Normal caliber is 7.62mm NATO, 6.8mm SPC, and 6.5mm Grendel, and 5.56mm NATO. The top of the receiver and handguards form a continuous MIL-STD-1913 rail, including the gas block. The rest of the handguards are round and aluminum.

The stats below are for the standard rifle, Timney trigger, and the KNC hammer. A second entry includes a ported barrel. Both include a collapsible stock.

Weapon	Ammunition	Weight	Magazines	Price
Supermatch (20" Barrel)	7.62mm NATO	4.42 kg	5, 10, 20	\$1024
Supermatch (20" Barrel)	6.8mm SPC	3.85 kg	5, 10, 20, 30	\$737
Supermatch (20" Barrel)	6.5mm Grendel	3.69 kg	5, 10, 20, 30	\$669
Supermatch (20" Barrel,	7.62mm NATO	4.42 kg	5, 10, 20	\$1048

Ported) Supermatch (20" Barrel, Ported)	6.8mm SPC	3.85 kg	5, 10, 20, 30	\$762
Ported) Supermatch (20" Barrel, Ported)	6.5mm Grendel	3.69 kg	5, 10, 20, 30	\$719
Supermatch (24" Barrel)	7.62mm NATO	4.59 kg	5, 10, 20	\$1097
Supermatch (24" Barrel)	6.8mm SPC	4 kg	5, 10, 20, 30	\$810
Supermatch (24" Barrel)	6.5mm Grendel	3.84 kg	5, 10, 20, 30	\$742
Supermatch (24" Barrel, Ported)	7.62mm NATO	4.59 kg	5, 10, 20	\$1122
Supermatch (24" Barrel, Ported)	6.8mm SPC	4 kg	5, 10, 20, 30	\$835
Supermatch (24" Barrel, Ported)	6.5mm Grendel	3.84 kg	5, 10, 20, 30	\$767

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Supermatch (20" Barrel, 7.62mm)	SA	4	2-3-Nil	5/6	3	Nil	53
Supermatch (20" Barrel, 6.8mm)	SA	3	1-2-Nil	4/6	2	Nil	64
Supermatch (20" Barrel, 6.5mm)	SA	3	1-2-Nil	4/6	2	Nil	64
Supermatch (20" Barrel, 7.62mm, Ported)	SA	4	2-3-Nil	5/6	3	Nil	53
Supermatch (20" Barrel, 6.8mm, Ported)	SA	3	1-2-Nil	4/6	2	Nil	64
Supermatch (20" Barrel, 6.5mm, Ported)	SA	3	1-2-Nil	4/6	2	Nil	64
Supermatch (24" Barrel, 7.62mm)	SA	4	2-3-Nil	6/7	4	Nil	87
Supermatch (24" Barrel, 6.8mm)	SA	3	1-2-Nil	6/7	3	Nil	97
Supermatch (24" Barrel, 6.5mm)	SA	3	1-2-Nil	5/7	3	Nil	92
Supermatch (24" Barrel, 7.62mm, Ported)	SA	4	2-3-Nil	6/7	3	Nil	87
Supermatch (24" Barrel, 6.8mm, Ported)	SA	3	1-2-Nil	6/7	3	Nil	97
Supermatch (24" Barrel, 6.5mm, Ported)	SA	3	1-2-Nil	5/7	3	Nil	92

DSA Predator

Notes: This is a modernization of the basic FN-FAL design, designed primarily for the civilian market, but also useful as a battle rifle. The upper receiver is machined from a solid chunk of 4140 steel, and is quite strong. The lower receiver is also machined from a billet of solid metal, this time of 7075 T6 aircraft-quality aluminum. The barrel is medium-weight match grade barrel made from chrome-molybdenum steel, fluted on the front third, and tipped with a target crown. Most of the furniture is of black fiberglass-reinforced plastic. Sights are standard FAL sights, though the Predator also has a MIL-STD 1913 rail for optics mounting. The Predator deletes the normal FAL carrying handle; this small deletion strengthens the receiver and leaves the area clear for large scopes and optics. The Predator is a little heavy, but this contributes to stability.

Twilight 2000 Notes: This rifle does not exist.

Weapon	Ammunition	Weight	Magazines	Price
Predator (16" Barrel)	.243 Winchester	4.08 kg	5, 10	\$695
Predator (19" Barrel)	.243 Winchester	4.22 kg	5, 10	\$726

Predator (16" Barrel)	.260 Remington	4.62 kg	5, 10	\$917
Predator (19" Barrel)	.260 Remington	4.78 kg	5, 10	\$948
Predator (16" Barrel)	7.62mm NATO	4.94 kg	5, 10, 20	\$984
Predator (19" Barrel)	7.62mm NATO	5.11 kg	5, 10, 20	\$1014

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Predator (16", .243)	SA	3	2-Nil	5	2	Nil	37
Predator (19", .243)	SA	3	2-Nil	6	2	Nil	48
Predator (16", .260)	SA	3	2-Nil	6	3	Nil	32
Predator (19", .260)	SA	4	2-Nil	6	3	Nil	42
Predator (16", 7.62mm)	SA	4	2-3-Nil	6	3	Nil	44
Predator (19", 7.62mm)	SA	4	2-3-Nil	6	3	Nil	58

Excel Arms Accelerator Rifle

Notes: Big brother to the Accelerator Pistol, this rifle is named for the high-velocity rimfire cartridges it fires. The Accelerator Rifle is constructed largely from high-strength 17-4 stainless steel, with a polymer skeletonized pistol grip stock and an aluminum shroud for the action that incorporated a Weaver rail in order to mount a large variety of scopes, sights, and optical accessories. The Accelerator Rifle uses a firing pin safety as well as a manual safety switch. The magazines used are the same as those of the Accelerator Pistol, and if bought from the manufacturer, the rifle comes with a cable lock.

Twilight 2000 Notes: This rifle does not exist in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
MR-17	.17 Hornady Magnum Rimfire	3.63 kg	9	\$339
MR-22	.22 Winchester Magnum Rimfire	3.63 kg	9	\$261

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
MR-17	SA	2	1-Nil	5	1	Nil	46
MR-22	SA	1	Nil	5	1	Nil	46

Feather USA RAV-9/RAV-45

Notes: This is a pistol-caliber carbine designed for both plinking and hunting. It is the big brother to the RAV-22 (US Small Caliber Rifles). The magazines for the 9mm version are modified Uzi magazines, plus a special 10-round version made during the Brady Gun Ban period; the magazines for the .45 ACP model are modified Thompson stick magazines, plus special 10 and 20-round magazines. The weapon is largely made from aluminum alloy, with a stainless steel barrel and polymer grips (and in the fixed-stock version, the stock). The stock may be a fixed AR-15-type, a sliding M-4-type, or a sliding wire stock. The barrel may or may not have a flash suppressor or muzzle brake. (Add \$5 for the version with a flash suppressor; the version with a muzzle brake has its own lines on the tables below.) The barrel may have a barrel shroud, handguards, or be left bare. The rifle carbine is drilled and tapped to accept virtually any sort of optics/accessory mount, including a MIL-STD-1913 or Weaver rail. The barrel may be heavy or standard; the heavy barrels versions may or may not have a Harris-type bipod. The RAV-9 and RAV-45 may be broken down for storage; removing the barrel takes a minute, the stock another minute, and the bipod (if present) another minute.

Twilight 2000 Notes: These carbines do not exist in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
RAV-9 (Fixed Stock)	9mm Parabellum	2.27 kg	10, 20, 25, 32	\$289
RAV-9 (Folding Stock)	9mm Parabellum	2.27 kg	10, 20, 25, 32	\$309
RAV-9 (Heavy Barrel, Fixed Stock)	9mm Parabellum	2.3 kg	10, 20, 25, 32	\$318
RAV-9 (Heavy Barrel, Folding Stock)	9mm Parabellum	2.3 kg	10, 20, 25, 32	\$338
RAV-9 (High Accuracy, Fixed Stock)	9mm Parabellum	3.14 kg	10, 20, 25, 32	\$722
RAV-9 (High Accuracy, Folding Stock)	9mm Parabellum	3.14 kg	10, 20, 25, 32	\$742
RAV-45 (Fixed Stock)	.45 ACP	2.52 kg	10, 20, 30	\$368
RAV-45 (Folding Stock)	.45 ACP	2.52 kg	10, 20, 30	\$388
RAV-45 (Heavy Barrel, Fixed Stock)	.45 ACP	2.55 kg	10, 20, 30	\$377
RAV-45 (Heavy Barrel, Folding Stock)	.45 ACP	2.55 kg	10, 20, 30	\$397
RAV-45 (High Accuracy, Fixed Stock)	.45 ACP	3.48 kg	10, 20, 30	\$802
RAV-45 (High Accuracy, Folding Stock)	.45 ACP	3.48 kg	10, 20, 30	\$822

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
RAV-9 (Fixed Stock)	SA	2	Nil	5	1	Nil	38
RAV-9 (Folding Stock)	SA	2	Nil	3/5	1	Nil	38
RAV-9 (Heavy, Fixed Stock)	SA	2	Nil	5	1	Nil	40
RAV-9 (Heavy, Folding Stock)	SA	2	Nil	3/5	1	Nil	40
RAV-9 (High Accuracy, Fixed Stock)	SA	2	Nil	5	1	Nil	40
(High Accuracy, Bipod)	SA	2	Nil	5	1	Nil	52
RAV-9 (High Accuracy, Folding Stock)	SA	2	Nil	3/5	1	Nil	40
(High Accuracy, Bipod)	SA	2	Nil	3/5	1	Nil	52
RAV-45 (Fixed Stock)	SA	2	1-Nil	5	2	Nil	40
RAV-45 (Folding Stock)	SA	2	1-Nil	3/5	2	Nil	40
RAV-45 (Heavy, Fixed Stock)	SA	2	1-Nil	5	2	Nil	43
RAV-45 (Heavy, Folding Stock)	SA	2	1-Nil	3/5	2	Nil	43
RAV-45 (High Accuracy, Fixed Stock)	SA	2	1-Nil	5	2	Nil	43
(High Accuracy, Bipod)	SA	2	1-Nil	5	1	Nil	56
RAV-45 (High Accuracy, Folding Stock)	SA	2	1-Nil	5	2	Nil	43
(High Accuracy, Bipod)	SA	2	1-Nil	5	1	Nil	56

Feather USA RAV-22

Notes: This is a lightweight carbine designed primarily for plinking or varmint hunting, and for people who want a futuristic/cool-looking weapon to do it with. The RAV-22 is a semiautomatic carbine built primarily of aluminum alloy and with a variety of folding stocks and barrels, including a sliding wire stock and standard barrel or heavy bull barrel; a Carr sliding tactical stock (similar to that of the M-4) and standard or heavy bull barrel; and a version with a sliding wire or Carr stock, heavy bull barrel, and a Harris-type bipod. All of these versions are drilled and tapped for the attachment of any sort of scope, optics, or accessory mount, including the MIL-STD-1913 rail. The RAV-22 may be broken down for storage; removing the barrel takes one minute, the stock another minute, and (if present) the bipod takes another minute.

Twilight 2000 Notes: This carbine does not exist in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
RAV-22 (Standard Barrel)	.22 Long Rifle	1.36 kg	8, 16, 20	\$250
RAV-22 (Heavy Barrel)	.22 Long Rifle	1.38 kg	8, 16, 20	\$259
RAV-22 (High Accuracy)	.22 Long Rifle	1.98 kg	8, 16, 20	\$683

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
RAV-22 (Standard Barrel)	SA	1	Nil	3/4	1	Nil	35
RAV-22 (Heavy Barrel)	SA	1	Nil	3/4	1	Nil	37
RAV-22 (High Accuracy)	SA	1	Nil	3/4	1	Nil	37
RAV-22 (High Accuracy, Bipod)	SA	1	Nil	3/4	1	Nil	48

Federal Engineering XC-220

Notes: This is a futuristic-looking rifle with all-steel construction. The XC-220 can be easily disassembled and was often seen in B-movies simulating a high-tech weapon. The XC-220 has a scope mount. The muzzle brake, though functional, is largely superfluous due to the light caliber of the XC-220; however, there is almost no muzzle blast whatsoever.

Weapon	Ammunition	Weight	Magazines	Price
XC-220	.22 Long Rifle	3.4 kg	28	\$263

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
XC-220	SA	1	Nil	5	1	Nil	34

FIE Black Beauty

Notes: This is a semiautomatic rifle made from highly polished black nylon. The weapon is grooved for a scope mount, and has friction-free parts that require no lubrication.

Weapon	Ammunition	Weight	Magazines	Price
Black Beauty	.22 Long Rifle	1.8 kg	14 Internal	\$257

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Black Beauty	SA	1	Nil	5	1	Nil	40

Gorilla Ammunition GF-10

Notes: The GF-10 is advertised as a hunting rifle that could also double as a police or even military rifle – “Engineered for the elite warfighter, refined for the discriminating sportsman.” It fires a different mix of chamberings than is normal for AR-15-based firearms. The GF-10 is in fact AR-15-based, with a flattop profile featuring a slightly longer than receiver-length Picatinny Rail on top and a short length of rail at the front sight position, along with M-LOK slots on the sides and the bottom of the handguards. The stock is a Mission First Tactical Minimalist stock which is adjustable for length. Finishes include black, FDE, OD Green, Multicam, Dark Multicam, Tiger Stripe, Gorilla Mist, and Ridgeback. Barrels may be 16, 18, or 20 inches, and made of stainless steel roll-wrapped with carbon fiber; they are match-quality and heavy profile. The barrels are tipped with a SilencerCo ASR muzzle brake. The gas block is low-profile and adjustable; the manual safety is ambidextrous. The trigger pack is a Geissele G2S two-stage trigger. The working parts are black nitrided.

Weapon	Ammunition	Weight	Magazines	Price
GF-10 (16" Barrel)	.243 Winchester	3.27 kg	10	\$772
GF-10 (18" Barrel)	.243 Winchester	3.32 kg	10	\$794
GF-10 (20" Barrel)	.243 Winchester	3.37 kg	10	\$815
GF-10 (16" Barrel)	.260 Remington	3.27 kg	10	\$995
GF-10 (18" Barrel)	.260 Remington	3.32 kg	10	\$1016
GF-10 (20" Barrel)	.260 Remington	3.37 kg	10	\$1037
GF-10 (16" Barrel)	6.5mm Creedmoor	3.27 kg	10	\$828
GF-10 (18" Barrel)	6.5mm Creedmoor	3.32 kg	10	\$850
GF-10 (20" Barrel)	6.5mm Creedmoor	3.37 kg	10	\$871
GF-10 (16" Barrel)	7.62mm NATO	3.27 kg	10	\$1061
GF-10 (18" Barrel)	7.62mm NATO	3.32 kg	10	\$1082
GF-10 (20" Barrel)	7.62mm NATO	3.37 kg	10	\$1104
GF-10 (16" Barrel)	8.6mm Blackout	3.27 kg	10	\$1068
GF-10 (18" Barrel)	8.6mm Blackout	3.32 kg	10	\$1090
GF-10 (20" Barrel)	8.6mm Blackout	3.37 kg	10	\$1111

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
GF-10 (.243, 16" Barrel)	SA	3	2-Nil	4/6	2	Nil	39
GF-10 (.243, 18" Barrel)	SA	3	2-Nil	5/6	2	Nil	47
GF-10 (.243, 20" Barrel)	SA	3	2-Nil	5/6	2	Nil	55
GF-10 (.260, 16" Barrel)	SA	3	1-2-Nil	5/6	3	Nil	41
GF-10 (.260, 18" Barrel)	SA	4	1-2-Nil	5/6	3	Nil	50

GF-10 (.260, 20" Barrel)	SA	4	1-2-Nil	5/7	3	Nil	58
GF-10 (6.5mm, 16" Barrel)	SA	3	1-2-Nil	4/6	2	Nil	55
GF-10 (6.5mm, 18" Barrel)	SA	3	1-2-Nil	5/6	2	Nil	65
GF-10 (6.5mm, 20" Barrel)	SA	3	1-2-Nil	5/7	3	Nil	76
GF-10 (7.62mm, 16" Barrel)	SA	4	2-3-Nil	5/6	3	Nil	47
GF-10 (7.62mm, 18" Barrel)	SA	4	2-3-Nil	5/6	3	Nil	56
GF-10 (7.62mm, 20" Barrel)	SA	4	2-3-Nil	6/7	3	Nil	66
GF-10 (8.6mm, 16" Barrel)	SA	4	2-3-Nil	5/6	3	Nil	47
GF-10 (8.6mm, 18" Barrel)	SA	4	2-3-Nil	5/6	3	Nil	56
GF-10 (8.6mm, 20" Barrel)	SA	4	2-3-Nil	6/7	3	Nil	66

Harrington & Richardson Model 60

Notes: This was an attempt to turn the abortive Reising submachinegun into a civilian rifle. The caliber remained unchanged, but the stock was changed to a more conventional pistol grip wrist half-stock, and the barrel was lengthened to 18.3 inches. A spring-leaf sight was attached to the rear of the receiver, but the front sight was the same as that of the Reising submachinegun. The Model 60 was produced for less than two years from 1944-46 and was not successful; they are exceedingly rare collectors' items these days.

Weapon	Ammunition	Weight	Magazines	Price
Model 60	.45 ACP	3.22 kg	12, 20	\$378

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Model 60	SA	2	1-Nil	5	2	Nil	44

Harrington & Richardson Model 65

Notes: This is basically a .22 Long Rifle-firing M-1 Garand, used as a training rifle by the US Marines for a short time during World War 2. It was also sold on the civilian market as the General. It had a 23-inch heavy barrel and a detachable magazine. The Model 150 Leatherneck was a more realistic trainer; it had a 22-inch normal barrel and a magazine restricted to 5 rounds. (The Model 151 was a minor variant of the Model 150 – it had an adjustable Redfield rear sight instead of the simple peep sight of the rest of the series.) The Model 165 Leatherneck was primarily built for the civilian market, and had a standard 23-inch barrel and a 10-round magazine. Available until 1961, the Model 165 also had the Redfield rear sight.

Max Atchisson, who had designed the Model 65, also had another brainstorm – conversion of the Model 65 to a selective fire weapon. Essentially, it was primarily one of those projects Mr. Atchisson often did just for the heck of it, and he only made three of them. The resulting weapon was so light in weight that it could be used as a small-caliber submachinegun – yet with the folding bipod (which he also added just for the heck of it), it could be used as an automatic rifle trainer. However, he never intended to sell the design to anyone; it was just an experiment for fun.

The operation of Max Atchisson's conversion uses basically the same operation as the standard Model 65, only slightly modified to produce selective fire. A whole set of larger magazines were made for the weapon, mostly by modifying other magazines (and sometimes by soldering two together); in addition, Atchisson designed his modified weapon to feed from the drum magazines of the American-180 submachinegun. The long bolt of the base Model 65 means that Atchisson's modified weapon has a relatively slow rate of fire, and even when set on automatic, one can easily squeeze off single shots or short bursts with a little practice. Atchisson's modification used a micrometer-adjustable rear aperture sight and a standard Model 65 front sight; in addition, it is drilled and tapped for a scope mount.

Weapon	Ammunition	Weight	Magazines	Price
Model 65	.22 Long Rifle	4.08 kg	10	\$292
Model 150	.22 Long Rifle	3.29 kg	5	\$276
Model 165	.22 Long Rifle	3.49 kg	10	\$286
Atchisson Model 65	.22 Long Rifle	3.6 kg	10, 20, 30, 177 Drum, 275 Drum	\$802

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Model 65	SA	1	Nil	6	1	Nil	47
Model 150	SA	1	Nil	5	1	Nil	45
Model 165	SA	1	Nil	5	1	Nil	46
Atchisson Model 65	5	1	Nil	5	1	1	47
With Bipod	5	1	Nil	1	1	1	61

Harrington & Richardson Model 360 Ultra

Notes: This efficient and easy to take care of rifle was quite popular in its day (1965-78 in production). It was originally known as

the Model 308, denoting its caliber of 7.62mm NATO (.308 Winchester), but the name was changed when an option of a .243 Winchester chambering was added in 1967.

The Model 360 used a very efficient method of gas operation, with a rotating bolt. Metalwork was largely of steel, with various finishes available. The stock had a half-length fore-end tipped with a rosewood cap and a pistol grip wrist. The comb of the stock was of a roll-over design with a hard rubber buttplate. The rear sight was a ramp-type Williams design.

Weapon	Ammunition	Weight	Magazines	Price
Model 360 Ultra	.243 Winchester	3.38 kg	3	\$746
Model 360 Ultra	7.62mm NATO	3.91 kg	3	\$1035

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Model 360 Ultra (.243)	SA	3	2-Nil	7	3	Nil	60
Model 360 Ultra (7.62mm)	SA	4	2-3-Nil	7	4	Nil	72

Harrington & Richardson Model 700

Notes: At the time of its inception (1977), this was the only US-built semiautomatic rifle to chamber the .22 Winchester Magnum Rimfire cartridge. It has a walnut-stock with a pistol grip, a rollover comb, and a squared fore-end. The barrel was 22 inches long, and the rear sight was a simple, though adjustable, folding rear notch-type sight. It was unfortunately made in too small numbers to achieve very great market penetration, despite critical acclaim; .22 Winchester Magnum Rimfire ammunition was also somewhat expensive at the time, and the Model 700 was withdrawn after 6 years without many being built.

A deluxe version, the Model 700DL, was also built; this version used select walnut stocks with checkering on the pistol grip wrist and fore-end. It is identical to the standard Model 700 for game purposes.

Weapon	Ammunition	Weight	Magazines	Price
Model 700	.22 Winchester Magnum Rimfire	2.95 kg	5, 10	\$292

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Model 700	SA	1	Nil	5	1	Nil	57

Harrington & Richardson Model 800 Lynx

Notes: This simple rimfire autoloader had less than two years of production from 1958-60 before it was abandoned. It was basically a standard sort of rimfire rifle, with a half-stock and a Monte Carlo comb. The comb sloped upwards towards the butt, giving it a sort of "straight-line" recoil path and making it somewhat easier to use with low-profile optics. The barrel was 22 inches long, and the sights consisted of a rear spring-leaf and elevator and a front blade. In a market saturated with such rifles, it did not do well, and was withdrawn in 1960.

Weapon	Ammunition	Weight	Magazines	Price
Model 800 Lynx	.22 Long Rifle	2.72 kg	5, 10	\$276

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Model 800 Lynx	SA	1	Nil	5	1	Nil	45

Hi-Point 995/4095 Carbines

Notes: These two carbines are similar in form; they are carbines firing pistol cartridges and made mostly of high-impact polymers. They are fed from magazines that fit into the pistol grip (though they are not pistol magazines), and are designed to use a wide variety of optical accessories or laser pointing modules. The carbines are considered to have excellent accuracy and workmanship, but they are not necessarily pretty weapons. The 4095 carbine is slightly larger and heavier, with a somewhat longer barrel; both come with a removable compensator, but this does not really affect recoil that much (in game terms). Both are rated for the firing of +P and +P+ ammunition (including the type of +P+ loads sold only to law enforcement and military concerns). Depending on the sight mounts that are ordered by the buyer (they may range from none other than iron sights to a MIL-STD-1913 rail), the Hi-Point Carbines may mount a variety of optics and scopes.

ATI makes the HIP Proline Package for the Hi-Point carbines; this consists of a skeletonized stock joining the pistol grip to the stock, a MIL-STD-1913 rail that spans from the upper receiver to the end of the handguard, 2-inch long side MIL-STD-1913 rails for the handguards, and a 6-inch-long MIL-STD-1913 rail on the bottom of the handguard. This package adds 0.3 kg to the weight of the weapon and 0.05% to the cost.

Recently, Hi-Point introduced a tricked-out version in .45 ACP, called the 4595TS. This version has a skeletonized stock with a solid cheekpiece and a buttplate adjustable for length of pull. The cheekpiece looks adjustable, but isn't. The top of the receiver has a MIL-STD-1913 rail, and a shorter length of rail is found underneath the fore-end. On the sides are still shorter lengths of rail, and these are extra-wide so more accessories can be attached. Most of the external construction is of polymer, and the pistol grip and trigger guard are of one piece with the rest of the lower receiver. Left and right-handed shooters are accommodated by ambidextrous controls and a bolt handle that can be attached to for left or right side. Unfortunately, the magazine release button is not in range of

the hand on the pistol grip, an inconvenience. The rear sight is an adjustable rear aperture sight in a ghost ring configuration and a tall triangular front sight post.

Twilight 2000 Notes: The 4095 does not exist in the Twilight 2000 timeline, nor does the 4095-Comp or the 995-Comp; the HIP Proline Package also does not exist, nor does the 4595TS.

Weapon	Ammunition	Weight	Magazines	Price
Hi-Point 995	9mm Parabellum	2.61 kg	10	\$284
Hi-Point 995 (Compensated)	9mm Parabellum	2.65 kg	10	\$334
Hi-Point 4095	.40 Smith & Wesson	2.99 kg	10	\$334
Hi-Point 4095 (Compensated)	.40 Smith & Wesson	3.04 kg	10	\$384
Hi-Point 4595TDS	.45 ACP	3.18 kg	9	\$378

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Hi-Point 995	SA	2	1-Nil	5	1	Nil	37
Hi-Point 995 (Compensated)	SA	2	1-Nil	5	1	Nil	37
Hi-Point 4095	SA	2	1-Nil	5	2	Nil	42
Hi-Point 4095 (Compensated)	SA	2	1-Nil	5	2	Nil	42
Hi-Point 4595TS	SA	2	1-Nil	5	2	Nil	42

IO STG-2000-C

Notes: InterOrdnance was established in 1995, originally to import civilianized AK-47s and AKMs into the US from former East German stocks in Germany. In their first decade of operation, they experienced major difficulties with the German end of their operation, a spurious but lengthy lawsuit versus the BATF over some imported L-1A1 rifles that the BATF claimed (incorrectly) didn't adhere to US firearms laws, and exporters overseas that were basically selling them junk in some cases. Despite these problems, they established a reputation as a source of quality civilianized AKs, and in 2005, reorganized as IO Incorporated.

The STG-2000-C is one of the current iterations of their AKs. This rifle has an interesting history – it is based on the Wieger STG-940, which was a greatly-modernized version of the AKM that East Germany planned to put into production shortly before the fall of the Iron Curtain scuttled those plans. The STG-2000-C uses polymers for the handguards (which are of a modern appearance and design), the ergonomic pistol grip, and the stock (which is also of a more modern design that is more ergonomic than that of the AK). Partially to satisfy US firearms importation laws, but mostly to ensure product quality, the STG-2000-C is built almost entirely of parts made in the US. The parts of which the STG-2000-C are of better quality than those of actual AKs, and a CNC scope rail is included for optics. The 16.25-inch barrel is tipped with a birdcage A2-type flash suppressor, and the barrels are almost match-quality. The STG-2000-C will accept almost any magazine that will fit into an AK or AK clone (of the appropriate caliber), but IO also makes polymer magazines for the STG-2000-C. Chambering at present is only in 7.62mm Kalashnikov or a .22 Long Rifle-firing version, but IO recently told *Small Arms Review* that future plans for the STG-2000-C include 5.45mm Kalashnikov and 5.56mm NATO versions, and I have included speculative stats below. The receivers, barrels, sights, and trigger groups are uniformly finished in black, but the polymer parts may be black, desert tan, or pink (the “Pink Lady” version).

Weapon	Ammunition	Weight	Magazines	Price
STG-2000-C	7.62mm Kalashnikov	3.18 kg	10, 20, 30, 40	\$813
STG-2000-C	5.56mm NATO	3.18 kg	10, 20, 30	\$567
STG-2000-C	5.45mm Kalashnikov	3.18 kg	10, 20, 30, 40	\$516
STG-2000-C	.22 Long Rifle	3.18 kg	10	\$226

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
STG-2000-C (7.62mm)	SA	4	2-Nil	6	4	Nil	47
STG-2000-C (5.56mm)	SA	3	1-Nil	6	2	Nil	42
STG-2000-C (5.45mm)	SA	3	1-Nil	6	2	Nil	46
STG-2000-C (.22)	SA	1	Nil	6	1	Nil	34

Iver Johnson/AMAC “M-1 Carbines”

Next: Iver Johnson Arms was established in 1871 in Massachusetts, and had a long firearms-making history before running into financial trouble, moving first to Arkansas in 1984 and then being bought out (including the name “Iver Johnson”) in 1987 by AMAC. Some of Iver Johnson’s best-selling modern rifle designs are a number of M-1 Carbine variants and copies, most of which differ in caliber or features (and some of which are simple licensed copies). After the buyout by AMAC, AMAC continued to make some of Iver Johnson’s old line of firearms, including some of these M-1 Carbine variants, until it too went out of business in 1993.

The JJ9MM is a version of the M-1 Carbine; it looks virtually identical externally to the standard M-1 Carbine, except for its magazine and somewhat shorter 16-inch barrel. The JJ9MM was built in 1985 and 1986, and is chambered for 9mm Parabellum instead of .30 Carbine. The JJ9MM has been copied often by other firearms makers, both with and without a license. The JJ9MM has a hardwood stock of the same type as a standard M-1 Carbine and the metalwork is blued. AMAC later built a version of the JJ9MM, called the Delta-786; it is virtually identical to the JJ9MM, but has a matte finish and darker-stained hardwood stock, and is a slight bit

lighter.

Iver Johnson also built a version of the M-1 Carbine which was basically a direct copy of the original M-1 Carbine, also in 1985 and 1986. AMAC also built the Iver Johnson version of the M-1 and M-1A1, from 1988-93. Both were capable of being fitted with a large number of aftermarket stocks and other modifications such as scope mounts, Weaver and MIL-STD-1913 rails, and suchlike. The Iver Johnson version also came in a version chambered for the potent 5.7mm MMJ round (called the Spitfire), but this chambering is relatively rare. AMAC versions used a slightly-better grade of wood, military-style peep sights, and could accept three sizes of magazines instead of two. AMAC versions are generally known as the "M-30" or M .30." Iver Johnson called their M-1 Carbine the PM-30, and their M-1A1 the SC-30.

AMAC also built the Enforcer Pistol (also called the Enforcer Carbine and Enforcer Carbine-Pistol). This is simply a version of AMAC's M-1 Carbine with no buttstock, a full pistol grip, and an abbreviated 9.5-inch barrel.

At the same time that Iver Johnson was building its other M-1 Carbine variants, it was building the US Carbine .22; this is essentially an M-1 Carbine chambered for either .22 Long Rifle or .22 Winchester Magnum Rimfire. These also look almost identical externally to a standard M-1 Carbine, except for the magazine and slightly longer 18.5-inch barrel. AMAC also later built this model, but only for a few months in 1988.

Weapon	Ammunition	Weight	Magazines	Price
JJ9MM	9mm Parabellum	2.5 kg	20	\$269
Delta-786	9mm Parabellum	2.4 kg	20	\$269
PM-30	.30 Carbine	2.36 kg	15, 30	\$311
PM-30 Spitfire	5.7mm MMJ	2.58 kg	15, 30	\$470
SC-30	.30 Carbine	2.25 kg	15, 30	\$341
M-30	.30 Carbine	2.3 kg	5, 15, 30	\$311
M-30A1	.30 Carbine	2.2 kg	5, 15, 30	\$341
US Carbine .22	.22 Long Rifle	2.26 kg	15	\$235
US Carbine .22	.22 Winchester Magnum Rimfire	2.29 kg	15	\$256
Enforcer	.30 Carbine	1.79 kg	5, 15, 30	\$230

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
JJ9MM/Delta-786	SA	2	Nil	5	1	Nil	35
PM-30/M-30	SA	2	1-Nil	5	2	Nil	50
PM-30 Spitfire	SA	3	1-Nil	5	3	Nil	50
SC-30/M-30A1	SA	2	1-Nil	4/5	2	Nil	50
US Carbine .22 (.22 Long Rifle)	SA	1	Nil	5	1	Nil	38
US Carbine .22 (.22 Magnum)	SA	1	Nil	5	1	Nil	47
Enforcer	SA	2	1-Nil	3	2	Nil	20

Kaiser X7 Fusion

Notes: The Fusion Monarch is an AR Clone which is surprisingly light and touch and durable, as well as being light. This due to its advance polymer upper receiver, lower receiver, and handguards. The receivers are made from injection-molded virgin polymer (as opposed to recycled, reground polymer infused with both long and short-stand fibers. The resulting polymer is resistant to weather, and is exceptionally durable, as well as resistance to cracking and chattering, something that has plagued many early polymer AR designs. The finish may conceivably be any color, though Kaiser for now sells the Fusion only in black or dark earth. The Engage EPG16 handguards are made of the same polymer, and are well-ventilated, and comes with a full length MIL-STD-1913 rail, connecting to the rail above the receiver. They have KeyMod attachment points on the sides, with which a shooter may customize his rifle, directly (with some accessories) or a Picatinny Rail or Weaver rail. They transfer little heat, and free-float handguards. They are also designed to be as rigid as possible. The handguards are almost as long as the barrel, leaving only 10 millimeters of the barrel and the flash suppressor out of the handguards. The stock may is a Mission First Minimalist Battlelink skeletonized sliding stock with six positions. It has a cheekpiece designed to deal with most optics available for the AR today.

The bolt carrier, firing pin and gas key are all made of titanium, further contributing to the light weight. The Faxon stainless steel 16-inch barrel is treated with black nitride and finished in black, as is the proprietary flash suppressor. The flash suppressor, charging handle, controls, and the interior of the receiver are also treated with black nitride. The barrel is free-floating and match-quality. The Fusion has a set of MagPul BUS front and rear sights, which for the most part adjust like standard M-16/M-4 sights. The Fusion has a QD sling attachment point is on the butt, and it is attached to it is a NEMO Rapid Assault Team strap, about 8 feet of braided 550 cord. The Engage tactical pistol grip tactical is a bit more ergonomic than an A2 grip; it has a grooved backstrap and finger grooves on the front. The trigger guard is enlarged for gloves. It is hollow, and closes on a storage chamber that is watertight. Most metallic parts are coated with NP3 Plus, which greatly reduces the need for lubrication.

The Fusion Standard has handguards about 51 millimeters shorter than the Fusion Monarch. They come only in black, but otherwise are like the Fusion Monarch's handguards. It is slightly lighter than the Monarch, but the Standard is identical to the Monarch for game purposes.

The next two versions are pistol versions, but they are included for the sake of completeness. The Standard Pistol barrels come in 7.5 and 10.5 inches in 5.56mm and 8.5 inches in .300. and are tipped with a conical flash suppressor. The handguard are very short, but have the same Picatinny rail setup. The handguards are KSP Slimline handguards. They do not free-float the barrel. Black nitride coats most of the pistol, and the receiver halves are black. The bolt carrier group components are treated with black nitride. The Standard Pistol uses a Carpenter 158 bolt. The end of the buffer tube is foam rubber-coated; this can be easily slipped off to attach a brace or a stock (which, of course, requires a lot of paperwork and fees in the US and is illegal in many other countries).

The X7 Amphibian Anti-Piracy Weapon is similar to the Standard Pistol, but comes only in one caliber and one barrel length. The barrel is 10 inches, and tipped with KSP Flash Can muzzle brake. Metallic parts are coated in NP3 Plus. It uses an XTECH ATG pistol grip, which is adjustable for angle and size. The receivers are molded in sea-blue, while the rest of the rifle is black, except for the barrel and buffer tube, which are bright stainless steel.

Of course, the first thought that comes to mind is feeding these weapons with polymer magazines, though they can take most AR magazines.

Weapon	Ammunition	Weight	Magazines	Price
X7 Fusion Monarch	5.56mm NATO	2.27 kg	10, 20, 30	\$602
X7 Fusion Standard	5.56mm NATO	2.09 kg	10, 20, 30	\$602
X7 Fusion Standard (Pistol (7.5" Barrel))	5.56mm NATO		10, 20, 30	

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
X7 Fusion Monarch/Standard	SA	3	1-Nil	4/6	3	Nil	43
X7 Fusion Standard Pistol (5.56mm, 7.5")	SA	2	1-Nil	5	3	Nil	37

Kel-Tec SUB-2000

Notes: This is a carbine designed for pistol cartridges. The weapon is largely built of polymers for lighter weight. The weapon can be folded for storage (but not fired when folded) at the breech. When folded, the weapon can be locked with a key for safety, and this feature made it popular with people who had small children. The sights are luminous and are adjustable, and the SUB-2000 can be disassembled without tools.

Twilight 2000 Notes: This weapon does not exist.

Weapon	Ammunition	Weight	Magazines	Price
SUB-2000	9mm Parabellum	2.04 kg	10, 15	\$280
SUB-2000	.40 Smith & Wesson	2.04 kg	10, 15	\$317

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
SUB-2000 (9mm)	SA	2	1-Nil	5	2	Nil	36
SUB-2000 (.40)	SA	2	1-Nil	5	3	Nil	37

Kel-Tec SU-16

Notes: This is similar in concept to the SUB-2000, being a folding carbine built largely of polymers. It is, however, chambered for the 5.56mm NATO cartridge. The SU-16 is, therefore, heavier and larger.

The stock of the SU-16 series is hollow, and can fit two 10-round or one 20 or 30-round magazine in it. The operating system is for the most part the same as the AR-15. The SU-16 has an integral folding bipod.

There are several variants of the basic SU-16. The SU-16B is sort of a carbine version of the SU-16, with a shorter barrel and somewhat lighter construction. The SU-16C is an SU-16B with a true folding stock, instead of folding at the breech; firing with the stock folded makes the weapon extremely awkward, and such shots are done at -4. While The SUD-9 and SUD-12 are variants of the SU-16C, they have 9 and 12-inch barrels respectively, no bipod, a flash suppressor, and handguards equipped with an underbarrel MIL-STD-1913 rail. They are designed primarily for police concerns.

The SU-16CA is a new model, introduced in 2006; it is an improved/modified SU-16 with a short MIL-STD-1913 rail atop the receiver, which has both the detachable front and rear sights. While this leads to an extremely short sight radius when using the iron sights; the SU-16CA is not really meant for use with those sights; Kel-Tec instead recommends the use of a scope or holographic-type battle sights. The muzzle is threaded for use with various accessories. The SU-16CA is more meant for police and covert use instead of civilian use, though it is sold to civilians in unmodified form. Though the weight is somewhat different, it shoots (for game purposes) like a standard SU-16C, and is therefore not given a separate entry on the firing tables below.

For those shooters looking for economy (especially in ammunition), Kel-Tec offers the SU-22CA. Though sharing many similarities with the rest of the SU-16 series, the SU-22CA is not a conversion package; the internal parts and interior molding of the receiver are designed specifically for the SU-22CA, and the sights are modified for the SU-22CA. The SU-22CA, however, will accept most of the accessories as the SU-16CA, particularly at the threaded muzzle. Controls are in the same positions as those of the rest of the SU-16 series. Magazines are proprietary and are smoked translucent magazines that are shaped similarly to an AR-15 30-round magazine, and have an internal column for the .22 Long Rifle ammunition. The SU-22CA will also accept magazines designed for the Atchisson AR-15-.22 conversion. The stock does not fold as on the SU-16CA. Barrel length is 16.1 inches.

Twilight 2000 Notes: The SU-16 is very rare in the Twilight 2000 timeline, and the SU-16B does not exist in manufactured form. The SU-16C and CA do not exist at all in the Twilight 2000 timeline, nor do the SUD-9, SUD-12, or SU-22CA.

Weapon	Ammunition	Weight	Magazines	Price
SU-16	5.56mm NATO	2.27 kg	10, 20, 30	\$1026
SU-16B	5.56mm NATO	2.04 kg	10, 20, 30	\$965
SU-16C	5.56mm NATO	2.13 kg	10, 20, 30	\$965
SU-16CA	5.56mm NATO	2.14 kg	10, 20, 30	\$967
SUD-9	5.56mm NATO	1.71 kg	10, 20, 30	\$512
SUD-12	5.56mm NATO	1.79 kg	10, 20, 30	\$543
SU-22CA	.22 Long Rifle	1.81 kg	10, 26	\$221

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
SU-16	SA	3	1-Nil	6	3	Nil	47
SU-16 (Bipod)	SA	3	1-Nil	6	2	Nil	62
SU-16B	SA	3	1-Nil	5	3	Nil	40
SU-16B (Bipod)	SA	3	1-Nil	5	2	Nil	52
SU-16C	SA	3	1-Nil	4/5	3	Nil	40
SU-16C (Bipod)	SA	3	1-Nil	4/5	2	Nil	52
SUD-9	SA	2	1-Nil	3/4	3	Nil	16
SUD-12	SA	2	1-Nil	3/5	3	Nil	25
SU-22CA	SA	1	Nil	4	1	Nil	33

LeMAG MAG-1

Notes: A custom modification by Tim LeGendre of the M-1 Carbine, the MAG-1 was produced in two calibers, first on a whim, then in limited numbers for US Special Operations forces and for big game hunters. The MAG-1 has all the balance and lightness of the original weapon, and has reputedly very controllable recoil despite their greatly increased calibers. The stocks have been replaced with a synthetic stock, since the original wooden stocks crack under the pressure of the higher calibers.

Weapon	Ammunition	Weight	Magazines	Price
MAG-1	.45 Winchester Magnum	3.5 kg	6, 12	\$434
MAG-1	.50 Action Express	3.5 kg	5, 10	\$504

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
MAG-1 (.45)	SA	4	1-1-Nil	6	2	Nil	49
MAG-1 (.50)	SA	5	1-2-Nil	6	3	Nil	50

LeMAG MAG-14

Notes: Another custom modification by Tim LeGendre, this time of the M-14, the MAG-14 is modified for the .338WM round. Again, the stock has been replaced with a synthetic one, and the sights have been replaced with new ones appropriate for the new caliber. The rifle is fed from a modified M-1 Garand clip or a modified BAR magazine.

Weapon	Ammunition	Weight	Magazines	Price
MAG-14	.338 Winchester Magnum	4.8 kg	5 Clip, 8	\$1894

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
MAG-14	SA	6	2-3-Nil	7	4	Nil	82

LeMAG MAG-15

Notes: Another custom modification by Tim LeGendre, this time of the AR-15 in a custom caliber called .45 Professional. The new round has nearly the ballistics of the .338WM while reliably feeding into a modified AR-15. Though accuracy is not its strong suit, damaging potential is. The magazines are modified AR-15/M-16 magazines, but the 90MWG and 100-round C-Mags cannot be used with this weapon. It is notable that Eugene Stoner, inventor of the AR-15 series, insisted that this modification could not be accomplished.

Weapon	Ammunition	Weight	Magazines	Price
MAG-15	.45 Professional	4 kg	8, 12	\$2142

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
MAG-15	SA	6	2-4-Nil	6	5	Nil	74

Les Baer Custom Ultimate Super Varmint

Notes: The LBC Ultimate Super Varmint is a highly-accurized version of the AR-15. It is chambered for 5.56mm NATO ammunition, as well as the new .204 Ruger, but the Ultimate Super Varmint boasts almost sniper-rifle-like accuracy (1/2 MOA with factory ammunition). Like most Les Baer weapons, the Ultimate Super Varmint is built almost entirely from scratch, using parts which Les Baer produces for himself. The barrel, bolt, bolt carrier group, and extractor are chromed for extra reliability, and all parts are precision-machined. The firing pin is made from titanium and generally will not break, nor will it corrode. The exterior of the rifle has a custom finish called "Baer Coat." The upper receiver has a MIL-STD-1913 rail and in front of the barrel shroud is another very short rail (the rifle is not normally used with iron sights, but the rails can mount them).

Twilight 2000 Notes: The 5.56mm NATO version is extremely rare, and the .204 Ruger version does not exist at all.

Weapon	Ammunition	Weight	Magazines	Price
Ultimate Super Varmint (18" Barrel)	5.56mm NATO	4.36 kg	10	\$1035
Ultimate Super Varmint (20" Barrel)	5.56mm NATO	4.44 kg	10	\$1099
Ultimate Super Varmint (22" Barrel)	5.56mm NATO	4.52 kg	10	\$1163
Ultimate Super Varmint (24" Barrel)	5.56mm NATO	4.59 kg	10	\$1227
Ultimate Super Varmint (18" Barrel)	.204 Ruger	4.25 kg	10	\$986
Ultimate Super Varmint (20" Barrel)	.204 Ruger	4.33 kg	10	\$1050
Ultimate Super Varmint (22" Barrel)	.204 Ruger	4.41 kg	10	\$1114
Ultimate Super Varmint (24" Barrel)	.204 Ruger	4.49 kg	10	\$1178

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Ultimate Super Varmint (18", 5.56mm)	SA	3	1-Nil	6	2	Nil	51
Ultimate Super Varmint (18", 5.56mm, Bipod)	SA	3	1-Nil	6	1	Nil	66
Ultimate Super Varmint (20", 5.56mm)	SA	3	1-Nil	6	2	Nil	59
Ultimate Super Varmint (20", 5.56mm, Bipod)	SA	3	1-Nil	6	1	Nil	77
Ultimate Super Varmint (22", 5.56mm)	SA	3	1-Nil	6	2	Nil	67
Ultimate Super Varmint (22", 5.56mm, Bipod)	SA	3	1-Nil	6	1	Nil	87
Ultimate Super Varmint (24", 5.56mm)	SA	3	1-Nil	7	2	Nil	73
Ultimate Super Varmint (24", 5.56mm, Bipod)	SA	3	1-Nil	7	1	Nil	95
Ultimate Super Varmint (18", .204)	SA	3	1-1-Nil	6	2	Nil	44
Ultimate Super Varmint (18", .204, Bipod)	SA	3	1-1-Nil	6	1	Nil	58
Ultimate Super Varmint (20", .204)	SA	3	1-1-Nil	6	2	Nil	52
Ultimate Super Varmint (20", .204, Bipod)	SA	3	1-1-Nil	6	1	Nil	67
Ultimate Super Varmint (22", .204)	SA	3	1-1-Nil	6	2	Nil	60
Ultimate Super Varmint (22", .204, Bipod)	SA	3	1-1-Nil	6	1	Nil	77
Ultimate Super Varmint (24", .204)	SA	3	1-1-Nil	7	2	Nil	65
Ultimate Super Varmint (24", .204, Bipod)	SA	3	1-1-Nil	7	1	Nil	85

LMT MWS

Notes: The recent special issue magazine, *Guide to Long-Range Accuracy*, lists the MWS (Modular Weapon System) as a sniper rifle; however, LMT's own site makes it sound more like a battle/hunting rifle. I am therefore going to list it here with other sporting rifles.

While the British used the M-110 for a short time in the Iraq and Afghanistan Wars, they were never really impressed with it for a variety of reasons. They commissioned a new spotter's rifle, which was first employed in the early 2000's, designating it the L-129A1 (after testing). Though they intended never to have a civilian version built, they eventually agreed with LMT, after deleting some more secret features. This is being called by LMT the LM-308MWS.

The MWS is an AR-type weapon designed for a variety of calibers, most of which are meant to appeal to civilians. Nonetheless, the MWS has a number of features that could make it useful to police or even some military users. The charging handle is enlarged to make charging easier. The MWS has ambidextrous controls, though the controls are smaller on the right side than the left. The front and rear sights are quickly and easily adjustable using knobs (not normally found on the front sight of an AR). The MWS has MIL-STD-1913 rails on the top (the rails on the upper receiver and atop the handguards lock together, making them continuous), the sides of the handguards, and under the handguards. (The MWS ships with rail covers if the user needs them.) The MWS has a total of five sling attachment points built in (potentially others could be mounted on the rails). The stock is a SOPMOD stock, a modified version of the M-4's stock. Barrels are 16, 18 or 20 inches, cryogenically-treated and specially-mounted (though not free floating, they do help in the accuracy department). The trigger is a two-stage "tactical" trigger (I haven't been able to find out what makes the trigger "tactical").

So, what makes the MWS modular. Well, the barrel-mounting hardware allows the user to change barrels between different lengths, and even to different calibers (or both) as desired.

While one can do a lot of things with an MWS, one could also do some minor weightlifting, as it is heavy for the type rifle it is. However, this added weight has the effect of dampening felt recoil and muzzle climb, so it is a mixed blessing.

Twilight 2000 Notes: These rifles are not available in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
MWS-243 (16" Barrel)	.243 Winchester	3.91 kg	10, 20	\$734
MWS-243 (18" Barrel)	.243 Winchester	3.97 kg	10, 20	\$754
MWS-243 (20" Barrel)	.243 Winchester	4.03 kg	10, 20	\$775
MWS-260 (16" Barrel)	.260 Remington	4.45 kg	10, 20	\$960
MWS-260 (18" Barrel)	.260 Remington	4.52 kg	10, 20	\$981
MWS-260 (20" Barrel)	.260 Remington	4.59 kg	10, 20	\$1005
MWS-6.5 (16" Barrel)	6.5mm Creedmoor	3.84 kg	10, 20	\$791
MWS-6.5 (18" Barrel)	6.5mm Creedmoor	3.9 kg	10, 20	\$813
MWS-6.5 (20" Barrel)	6.5mm Creedmoor	3.96 kg	10, 20	\$834
MWS-7mm (16" Barrel)	7mm-08 Remington	4.12 kg	10, 20	\$919
MWS-7mm (18" Barrel)	7mm-08 Remington	4.18 kg	10, 20	\$940
MWS-7mm (20" Barrel)	7mm-08 Remington	4.24 kg	10, 20	\$960
MWS-308 (16" Barrel)	7.62mm NATO	4.53 kg	10, 20	\$1029
MWS-308 (18" Barrel)	7.62mm NATO	4.6 kg	10, 20	\$1050
MWS-308 (20" Barrel)	7.62mm NATO	4.67 kg	10, 20	\$1071
MWS-338 (16" Barrel)	.338 Federal	4.87 kg	10, 20	\$1194
MWS-338 (18" Barrel)	.338 Federal	4.95 kg	10, 20	\$1216
MWS-338 (20" Barrel)	.338 Federal	5.03 kg	10, 20	\$1237

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
MWS-243 (16" Barrel)	SA	3	2-Nil	5/6	2	Nil	38
MWS-243 (18" Barrel)	SA	3	2-Nil	5/6	2	Nil	46
MWS-243 (20" Barrel)	SA	3	2-Nil	5/7	2	Nil	53
MWS-260 (16" Barrel)	SA	3	1-2-Nil	4/6	3	Nil	40
MWS-260 (18" Barrel)	SA	4	1-2-Nil	5/7	3	Nil	48
MWS-260 (20" Barrel)	SA	4	1-2-Nil	6/7	3	Nil	57
MWS-6.5 (16" Barrel)	SA	3	1-2-Nil	5/6	3	Nil	53
MWS-6.5 (18" Barrel)	SA	3	1-2-Nil	5/6	3	Nil	64
MWS-6.5 (20" Barrel)	SA	3	1-2-Nil	5/7	3	Nil	74
MWS-7mm (16" Barrel)	SA	4	2-Nil	5/6	3	Nil	45
MWS-7mm (18" Barrel)	SA	4	2-Nil	5/7	3	Nil	54
MWS-7mm (20" Barrel)	SA	4	2-3-Nil	6/7	3	Nil	63
MWS-308 (16" Barrel)	SA	4	2-3-Nil	5/7	3	Nil	46
MWS-308 (18" Barrel)	SA	4	2-3-Nil	6/7	3	Nil	55
MWS-308 (20" Barrel)	SA	4	2-3-Nil	6/7	3	Nil	64
MWS-338 (16" Barrel)	SA	4	2-3-Nil	6/7	3	Nil	46
MWS-338 (18" Barrel)	SA	4	2-3-Nil	6/7	3	Nil	55

MWS-338 (20" Barrel)	SA	4	2-3-Nil	6/8	3	Nil	64
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Marlin 45

Notes: The Marlin 45 (also called, incorrectly, the Model 45 Camp Carbine; the "Camp Carbine" name is used by Marlin only for the Model 9) was introduced in 1986. The Model 45 is a simple blowback-operated rifle carbine designed for the .45 ACP cartridge, and meant for self-defense whether at home or in the wilderness. Very easy to operate and maintain, the Model 45 features a 16.5-inch barrel and steel metalwork. The upper receiver has a squared surface to allow drilling and tapping for a scope mount and allow a firm base for the mount, if used. A spring-leaf and elevator rear sight is also supplied, with a fiberoptic high-contrast front sight. The stock is of plain birch with a half-length fore-end, a pistol grip wrist, and no sort of checkering of any kind. The magazine is proprietary.

Due to customer demand, a 9mm Parabellum version was introduced a short time later, called the Model 9 Camp Carbine. It is essentially the same as the Model 45, except for the changes necessary for the different caliber and higher-capacity magazine (it is the same length as that of the Model 45, but the rounds are smaller). Early in the production of the Camp Carbine, 20-round magazines were also designed for these rifles, but these were quickly discontinued for reasons unknown to me at this time. These large-capacity magazines are now quite rare and usually expensive (in real-life terms). In addition, the Camp Carbines are also capable of accepting Smith & Wesson Third Generation pistol magazines of the appropriate caliber.

Weapon	Ammunition	Weight	Magazines	Price
Model 45	.45 ACP	3.06 kg	7, 20	\$351
Model 9	9mm Parabellum	2.8 kg	12, 20	\$271

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Model 45	SA	2	1-Nil	5	3	Nil	38
Model 9	SA	2	1-Nil	5	1	Nil	36

Marlin 50

Notes: This was the first of Marlin's semiautomatic rimfire rifles, first sold in 1931, and continuing production for 4 years. It was built only in small numbers, with about 5000 total being manufactured. The Marlin 50, firing from an open bolt and having manual auxiliary extractor (which was difficult to strip and use), was never very popular, though it functioned quite well. The Model 50 had a 22-inch barrel with a hooded bead front sight at the muzzle. The rear sight was a spring-leaf and elevator type; a minor variant, the Model 50E, used a simple adjustable aperture rear sight (but is identical for game purposes). The stock was of hardwood with a half-length fore-end, a rather shallow pistol grip wrist. The receiver was of a tubular shape and made of stamped steel, as was the trigger and trigger guard.

The Model A1 was an improved version of the Model 50, manufactured from 1936-40. The Model A1 fired from a closed bolt, and used a 24-inch barrel. The safety catch was moved to rear of the tubular receiver. The original Model A1s used a stamped steel trigger and trigger guard, and used only a spring-leaf and elevator-type rear sight and a hooded bead front sight.

The Model A1 was modified in 1941, though production stopped near the end of 1941 (as Marlin was primarily making weapons for the US military during World War 2), and did not pick up again until late 1945 and continuing until late 1946. Modifications included moving the safety again – it was now a radial safety on the right rear side of the receiver. The trigger guard of this modified version was made of plastic, and the stock was re-shaped, with a deeper pistol grip wrist and a rounded fore-end. Other variants included the Model A1E (built from 1936-41 and 1945-46), with a simple adjustable aperture rear sight; the Model A1E (built in 1941 and from 1945-46), with a different stock that had a fluted comb and a beavertail fore-end, as well as the aperture rear sight; and the A1DL, which had both an aperture rear sight and a target-type peep sight, as well as sling swivels fitted as standard. All of these variants of the Model A1 are identical to the standard Model A1 for game purposes.

The Marlin Model 88 was the first of Marlin's post-World War 2 designs, and is basically an enlarged A-1. The mechanism was somewhat simplified (primarily by having the charging handle move in the ejection port slot instead of its own channel), with the charging handle attached directly to the bolt, and the radial safety switch was moved to the extreme rear right side of the receiver. The problem was the tubular magazine in the butt, which was difficult to load, because an inner tube had to be removed before loading the cartridges. The original Model 88 was produced from 1948-56.

Variants of the Model 88 included the Model 88DL, a deluxe version with a peep auxiliary rear sight, checkering on the pistol grip wrist and fore-end, and sling swivels. (It is identical to the standard Model 88 for game purposes). It was produced from 1953-56. The Model 89C was built concurrently with the Model 88, but production lasted until 1961; this variant was fed by a box magazine instead of the Model 88's tubular magazine. (The box magazine originally held 7 rounds, but a 12-round magazine was introduced for the Model 89C in 1956.) In 1957, the stock of the Model 89C was changed to one with a Monte Carlo-type cheekpiece and a buttplate made of plastic with decorative white spacers for the buttplate and pistol grip wrist cap. The Model 89DL was the deluxe equivalent of the Model 89C, similar to the Model 88DL in that respect.

The Models 88 and 89 series were takedown-type rifles, but the Model 98 was a variant with a solid frame. It was also fed by a tubular magazine in the butt, with a loading port just behind the pistol grip wrist. The Model 98 had a stock of somewhat better-quality wood, with a Monte Carlo comb and cheekpiece. The fore-end was tapering instead of being straight with a rounded end. Drilling and tapping could be ordered for the Model 98 (though it was not a standard feature). The Model 98 was built from 1957-59.

Weapon	Ammunition	Weight	Magazines	Price

Marlin 50	.22 Long Rifle	2.72 kg	6	\$276
Marlin A1	.22 Long Rifle	2.78 kg	6	\$296
Marlin 88	.22 Long Rifle	3.03 kg	14 Tubular	\$296
Marlin 89C	.22 Long Rifle	3 kg	7, 12	\$296
Marlin 98	.22 Long Rifle	3.03 kg	15 Tubular	\$297

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Marlin 50	SA	1	Nil	5	1	Nil	45
Marlin A1	SA	1	Nil	6	1	Nil	48
Marlin 88	SA	1	Nil	6	1	Nil	48
Marlin 89C	SA	1	Nil	6	1	Nil	48
Marlin 98	SA	1	Nil	6	1	Nil	48

Marlin 99

Notes: The Model 99 (and its variants) was built in very large numbers for a rimfire rifle. The Model 99 used a short, flat-sided receiver with a curved back, and a stock with a shallow pistol grip wrist. The trigger unit included the safety, which was a crossbolt design located at the rear of the trigger guard. The plain birch stock was built in one piece, with a half-length trigger guard. Feed was from a tubular magazine, under a 22-inch barrel. The rear sight was a spring-leaf and elevator design. The original Model 99 was built only from 1959-61, but in this time over 116,000 were built. The Model 49 was built from 1958-78, and is essentially a Model 99 with a two-piece stock. The Model 49DL was a deluxe version, with a checkered pistol grip wrist and fore-end, as well as scrollwork engraving on the receiver. The Model 60 is also basically the same as the Model 99, but has a Wide-Scan hooded front sight, and a bolt hold-open device (after 1985). The M-60SS is a version with stainless steel and nickel-plated steel metalwork, a stock laminated in a black/gray color, and a rubber recoil pad. The Models 60 and 60SS are still in production. The Model 70 is also still in production, and is essentially the same as the Model 99 except for its removable sights and the bolt hold-open device introduced in 1985. The Model 70HC is also similar, but can also accept a long, curved 25-round magazine.

The Model 70P Papoose is quite different from the Model 70, however; it is fed by a box magazine and has a short 16.25-inch barrel. The barrel can be easily removed, with a mechanical interlock ensuring that the Papoose cannot fire unless the barrel is properly secured. The fore-end of the stock extends only to the front of the receiver. The Model 70PSS is very similar, but uses stainless steel metalwork and black synthetic/fiberglass stock.

The Model 75 is also a carbine variant, using an 18-inch magazine, but is fed by a tubular magazine which is shorter than that of the Model 99 and most of its variants. The Model 996 is identical to the Model 989, but is magazine-fed. (It shoots identically to the Model 75 for game purposes.)

Another deluxe variant, the Model 99C, was produced from 1961-78. The Model 99C had Micro-Grooved rifling, a gold-plated trigger and walnut stocks instead of birch. In 1963, the standard-style stock was replaced with a Monte Carlo-type stock and the bolt became damascened; in 1964, the Model 99C acquired grooves for a scope mount; in 1969, the front sight was made into one piece with the muzzle band; and in 1971, the pistol grip wrist and fore-end were checkered (checkering which was modified at least once). The Model 99DL was a little more deluxe, with a gold-plated trigger and trigger guard, a fluted comb for the Monte Carlo-type stock, a hard rubber buttplate, decorative white spacers for the buttplate, and a leather sling supplied with the rifle. The Model 990 was a semi-deluxe version with a walnut Monte Carlo-type stock, diamond-void checkering on the pistol grip wrist and fore-end, and a spring-leaf rear sight, which when folded down revealed simple notch sight for quick shots. It also had a slightly-smaller tubular magazine. (It is identical to the Model 99 game for shooting purposes.) 1992's Model 990L is not a luxury version, but differs in having a hard rubber buttplate, sling swivels, and a spring-leaf and elevator sight. (These four are identical to the standard Model 990 for game purposes, and they shoot identically to the Model 99 for game purposes.)

The Model 989 is essentially a magazine-fed version of the Model 99. The first few months, the Model 989 was built with a standard Model 99 stock, but after that they were built with Monte Carlo-type stocks. (It is identical to the Model 70 for game shooting purposes, and does not have a separate line on the combat tables.) The Model 989M2 version is a carbine variant, with an 18-inch barrel and a military-style stock. The Model 995 is a version of the Model 989M2 with a Monte Carlo-type stock (checkered on the pistol grip wrist and fore-end), and the sights of the Model 990. The Model 995SS is a Model 990 with stainless steel metalwork. The Model 989M2, Model 995, and Model 995SS are identical for game purposes, including game shooting purposes.

From 1966-79, the Model 99M1 (also called the Model 99M1 Carbine) was built. Though the Model 99M1 was externally designed to resemble an M-1 Carbine as much as possible, internally it was still a Model 99, albeit with a much shorter tubular magazine designed to fit into the fore-end of the rifle and a *faux* box magazine. The barrel length was 18 inches, and the sights were virtually identical to the original M-1 Carbine sights (suitably altered to match the .22 Long Rifle round). In 1969, a bolt hold-open device was added. The Model 99M1 shoots like a Model 75 for game purposes.

The Model 922 was added to the line in 1993; it is a Model 99 which is fed by a box magazine and fires the .22 Winchester Magnum Rimfire round, as well as having a Monte Carlo-type stock and a bolt hold-open mechanism. It is identical to the Model 99 for game purposes.

It should also be noted that many aftermarket stocks, trigger units, magazines, etc., have been made for these rifles and many strange configurations of them can be found from time to time.

Weapon	Ammunition	Weight	Magazines	Price
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Marlin 99	.22 Long Rifle	2.49 kg	18 Tubular	\$276
Marlin 70	.22 Long Rifle	2.47 kg	7, 25 (for HC Only)	\$276
Marlin 70P Papoose	.22 Long Rifle	1.47 kg	7	\$212
Marlin 70PSS	.22 Long Rifle	1.27 kg	7	\$222
Marlin 75	.22 Long Rifle	2.27 kg	13 Tubular	\$235
Marlin 99M1	.22 Long Rifle	2.15 kg	9 Tubular	\$234
Marlin 992	.22 Winchester Magnum Rimfire	2.95 kg	7	\$292
Model 989	.22 Long Rifle	2.85 kg	7	\$271
Model 989M2	.22 Long Rifle	2.68 kg	7	\$230
Model 990	.22 Long Rifle	2.49 kg	17 Tubular	\$235
Model 996	.22 Long Rifle	2.34 kg	7, 15	\$230

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Marlin 99 & 70	SA	1	Nil	5	1	Nil	45
Marlin 70P Papoose	SA	1	Nil	4	1	Nil	33
Marlin 75	SA	1	Nil	5	1	Nil	37
Marlin 992	SA	1	Nil	5	1	Nil	57

Marlin 717M2

Notes: This semiautomatic rimfire rifle, new for 2005, fires the high-velocity .17 Mach 2 Rimfire cartridge. The rifle is sleek and lightweight, with a laminated walnut stock with a pistol grip wrist and Monte Carlo-style cheekpiece. The safety is a crossbolt-type which locks the bolt in place. The stock's lamination is a very tough finish known as "Mar-Shield." The rear sight is fixed, but the front sight is adjustable; the receiver is also grooved for a scope mount.

Twilight 2000 Notes: This rifle is not available in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
Marlin 717M2	.17 Mach 2 Rimfire	2.27 kg	7	\$290

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Marlin 717M2	SA	2	1-Nil	5	2	Nil	48

Marlin 995 Carbine

Notes: This is a light, short-barreled hunting rifle. It has a simple action and a stock of American walnut. It is capable of digesting virtually any sort of .22 Long Rifle round, from very light bullets to "hot loaded" rounds and very heavy bullets. The barrel, receiver, and mechanism are largely made from blued steel. There are two alternate versions, one with stainless steel parts which are nickel-plated (identical for game purposes) and one with a stock made from high-impact black plastic.

The Model 795 is the successor to the Model 995, introduced in 1997. This version is virtually identical to the Model 995, but the Model 795 has a standard plastic stock and blued steel metal parts, except for the nickel-plated magazine. The magazine capacity has also been enlarged to ten rounds. It is also a very lightweight weapon, much lighter than its predecessors.

The Marlin 2000 is basically a Model 795 with a heavy match barrel. The stock is of black high-impact plastic, and the metal parts are deeply blued. The Model 2000 has a bolt catch that holds the bolt open after the last shot is fired; a separate bolt catch allows the bolt to be returned forward when the rifle is empty. The Model 2000 has no iron sights, but is dovetailed for a telescopic sight mount.

Twilight 2000 Notes: The Model 795 does not exist in the Twilight 2000 timeline, nor does the Model 2000.

Weapon	Ammunition	Weight	Magazines	Price
Marlin 995	.22 Long Rifle	2.49 kg	7	\$230
Marlin 995 (Plastic Stock)	.22 Long Rifle	2.3 kg	7	\$240
Marlin 795	.22 Long Rifle	2 kg	10	\$240
Marlin 2000	.22 Long Rifle	2.4 kg	10	\$246

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Marlin 995	SA	1	Nil	5	1	Nil	37
Marlin 995 (Plastic)	SA	1	Nil	5	1	Nil	37
Marlin 795	SA	1	Nil	5	1	Nil	37
Marlin 2000	SA	1	Nil	5	1	Nil	38

MasterPiece Arms 308BBA

Notes: An up-and-coming competition rifle, the 308BBA has a number of refinements that make it attractive to competition shooters. Everything but the bolt and trigger is built by MasterPiece Arms; the barrel is especially noteworthy. MasterPiece Arms purchased their barrel-making equipment from Spencer Rifles a short time ago (the date on this piece is Apr 2016), and their rifles undergo one of the most grueling proving grounds in the industry. They are button-rifled 416 RQ stainless steel barrels 24 inches long

and tipped by a proprietary muzzle brake which can be easily removed and replaced. They are lead-lapped by hand and stress-relieved. The bore is measured with an air gauge, with a tolerance of only 0.0001 inch being allowed. Finally, the barrel is visually inspected. MPA also has many proprietary steps and procedures in making its barrels, which are not described to the press.

The action is done by Kelbly Atlas Tactical. The action is available to other buyers, but special fitting is required to seat it for most gunsmiths (the 308BBA is designed for that action). It has a light bolt lift, which allows for fast cycling. It also has a side bolt release. The action has a mechanical ejector that is very reliable over normal spring-loaded ejectors. The mechanical ejector is also nearly immune to fouling and gunked-up oil. The stock is slim and easy to grip; it is made of billet aluminum and comes in several colors. It is finished in Cerakote. Though it does not come with MIL-STD-1913 rails, it has attachment points on all four sides of the handguard. The 308BBA is unusual for a civilian rifle in that it comes with a bipod, and an attachment point for it instead of having to use a sling attachment point. On the stock is a bubble level that allows very precise measurements of whether the rifle is level. The butt has a recoil pad and is adjustable for length of pull; the stock also has an adjustable cheekpiece.

Weapon	Ammunition	Weight	Magazines	Price
Model 45	.45 ACP	3.06 kg	7, 20	\$351
Model 9	9mm Parabellum	2.8 kg	12, 20	\$271

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Model 45	SA	2	1-Nil	5	3	Nil	38
Model 9	SA	2	1-Nil	5	1	Nil	36

MG Arms K-Yote

Notes: MG Arms is a maker of semi-custom arms in Spring, Texas. The proprietor is a mechanical engineer who originally did gunsmithing to keep him in ammunition money, but decided to turn it into a full-time occupation. The K-Yote is an AR-type rifle, to be sure, but built to incredibly tight tolerances and finished in up to 25 different colors, along with optional logos and symbols. Under the finish is PTFE Teflon. Tolerances are kept to .001 inches. The K-Yote may be a line, but it's a low-production line, with the rifles being made to the shooter. He makes his own lower receivers, out of billet aluminum. The upper receiver is the same, and has a monolithic MIL-STD-1913 rail. The barrel is a 20, 24, or 26-inch match-grade floating barrel with a target crown (but not a muzzle device), and of heavy profile. The Magpul stock is fully adjustable for length, cheek height, and cant, and has a Packmayr Decelerator recoil pad. The proprietary target trigger is set for a mere 2.5 pounds. The handguards have four MIL-STD-1913 rails. The gas block is large and beefy.

Weapon	Ammunition	Weight	Magazines	Price
K-Yote (20" Barrel)	.17 Remington	2.12 kg	5, 10, 20	\$472
K-Yote (24" Barrel)	.17 Remington	2.3 kg	5, 10, 20	\$516
K-Yote (26" Barrel)	.17 Remington	2.39 kg	5, 10, 20	\$538
K-Yote (20" Barrel)	.204 Ruger	2.48 kg	5, 10, 20	\$570
K-Yote (24" Barrel)	.204 Ruger	2.66 kg	5, 10, 20	\$614
K-Yote (26" Barrel)	.204 Ruger	2.75 kg	5, 10, 20	\$636
K-Yote (20" Barrel)	5.56mm NATO	2.57 kg	5, 10, 20	\$619
K-Yote (24" Barrel)	5.56mm NATO	2.83 kg	5, 10, 20	\$663
K-Yote (26" Barrel)	5.56mm NATO	2.93 kg	5, 10, 20	\$685
K-Yote (20" Barrel)	.243 Remington	3.14 kg	5, 10, 20	\$754
K-Yote (24" Barrel)	.243 Remington	3.32 kg	5, 10, 20	\$798
K-Yote (26" Barrel)	.243 Remington	3.42 kg	5, 10, 20	\$820
K-Yote (20" Barrel)	.260 Remington	3.94 kg	5, 10, 20	\$976
K-Yote (24" Barrel)	.260 Remington	4.13 kg	5, 10, 20	\$1020
K-Yote (26" Barrel)	.260 Remington	4.22 kg	5, 10, 20	\$1043
K-Yote (20" Barrel)	7mm-08 Remington	3.79 kg	5, 10, 20	\$934
K-Yote (24" Barrel)	7mm-08 Remington	3.98 kg	5, 10, 20	\$978
K-Yote (26" Barrel)	7mm-08 Remington	4.07 kg	5, 10, 20	\$1001
K-Yote (20" Barrel)	7.62mm NATO	4.18 kg	5, 10, 20	\$1043
K-Yote (24" Barrel)	7.62mm NATO	4.39 kg	5, 10, 20	\$1087
K-Yote (26" Barrel)	7.62mm NATO	4.49 kg	5, 10, 20	\$1109

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
K-Yote (20", .17)	SA	2	1-Nil	6	3	Nil	47
K-Yote (24", .17)	SA	2	1-Nil	7	3	Nil	58
K-Yote (26", .17)	SA	2	1-Nil	7	3	Nil	63
K-Yote (20", .204)	SA	3	1-Nil	6	3	Nil	55
K-Yote (24", .204)	SA	3	1-Nil	7	3	Nil	68
K-Yote (26", .204)	SA	3	1-Nil	7	3	Nil	74

K-Yote (20", 5.56mm)	SA	3	1-Nil	6	3	Nil	63
K-Yote (24", 5.56mm)	SA	3	1-Nil	7	3	Nil	76
K-Yote (26", 5.56mm)	SA	3	2-Nil	7	3	Nil	83
K-Yote (20", .243)	SA	3	2-Nil	6	3	Nil	59
K-Yote (24", .243)	SA	3	2-Nil	7	4	Nil	76
K-Yote (26", .243)	SA	3	2-Nil	7	4	Nil	83
K-Yote (20", .260)	SA	4	1-2-3	7	4	Nil	63
K-Yote (24", .260)	SA	4	1-2-3	7	4	Nil	83
K-Yote (26", .260)	SA	4	1-2-3	8	4	Nil	93
K-Yote (20", 7mm-08)	SA	4	2-3-Nil	7	4	Nil	69
K-Yote (24", 7mm-08)	SA	4	2-3-Nil	7	4	Nil	90
K-Yote (26", 7mm-08)	SA	4	2-3-Nil	8	4	Nil	97
K-Yote (20", 7.62mm)	SA	4	2-3-Nil	7	4	Nil	71
K-Yote (24", 7.62mm)	SA	4	2-3-Nil	7	4	Nil	91
K-Yote (26", 7.62mm)	SA	4	2-3-Nil	8	4	Nil	98

Military Precision SSR-40

Notes: Military Precision is a company primarily known for its adaptations of standard military weapons to fire only blanks, for use in TV and movies and for entertainment or practice. However, Military Precision recently introduced its first firing-type firearms. This series, the SSR-40, essentially consists of semiautomatic versions of the World War 2 German MP-40 submachinegun. For the most part, the SSR-40 is a faithful copy of the original, particularly in the exterior appearance. However, the SSR-40 is hammer-fired and fires from an closed bolt, rather than being striker-fired and firing from an open bolt as the MP-40 does. Military Precision makes the magazines and other accessories for the SSR-40, though original MP-40 magazines will also fit.

The SSR-40 is a short-barreled rifle version, and perhaps the closest to the original MP-40. (In the US, a lot of BATF red tape must be navigated to own one.) The SSR-40 currently is available only with a fixed stock (a strut-type with a rudimentary buttplate), but rumors about a folding-stock version. The barrel of this version is 10 inches.

The SSR-40R is essentially the same, but with a BATF-legal 16-inch barrel (the barrel is simply extended well beyond the front sight). This version does come in both fixed and folding stock versions.

The SSR-40 Pistol is more of a short-barreled stockless carbine than a pistol, though the US BATF does consider it legally a pistol. It looks essentially like a folding-stock MP-40, but the stock is permanently-folded and basically cosmetic, as it cannot be unfolded – it is welded and pinned to the rest of the weapon.

Weapon	Ammunition	Weight	Magazines	Price
SSR-40 (Fixed Stock)	9mm Parabellum	3.97 kg	20, 32	\$293
SSR-40 (Folding Stock)	9mm Parabellum	3.97 kg	20, 32	\$323
SSR-40R (Fixed Stock)	9mm Parabellum	4.12 kg	20, 32	\$354
SSR-4R (Folding Stock)	9mm Parabellum	4.12 kg	20, 32	\$384
SSR-40 Pistol	9mm Parabellum	3.73 kg	20, 32	\$273

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
SSR-40 (Fixed Stock)	SA	2	Nil	5	1	Nil	26
SSR-40 (Folding Stock)	SA	2	Nil	4/5	1	Nil	26
SSR-40R (Fixed Stock)	SA	2	Nil	6	1	Nil	40
SSR-40R (Folding Stock)	SA	2	Nil	5/6	1	Nil	40
SSR-40 Pistol	SA	2	Nil	4	1	Nil	23

Mitchell Arms AK-22

Notes: This is a small-caliber copy of the AKM. The weapon cannot use a bayonet or rifle grenades. The weapon has built-in cleaning rod and adjustable sights.

Weapon	Ammunition	Weight	Magazines	Price
Mitchell Arms AK-22	.22 Long Rifle	2.72 kg	29	\$213
Mitchell Arms AK-22	.22 Winchester Magnum Rimfire	2.72 kg	10	\$233

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Mitchell Arms AK-22 (.22 Long Rifle)	SA	1	Nil	4	1	Nil	34
Mitchell Arms AK-22 (.22 Magnum)	SA	1	Nil	4	1	Nil	41

Mitchell Arms FAMAS

Notes: This is a small-caliber copy of the FA-MAS, with a wooden stock, pistol grip, and handguard. It cannot use a bayonet or rifle grenades, and does not have a bipod.

Weapon	Ammunition	Weight	Magazines	Price
Mitchell Arms FAMAS	.22 Long Rifle	2.72 kg	29	\$204
Mitchell Arms FAMAS	.22 Winchester Magnum Rimfire	2.72 kg	10	\$224

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Mitchell Arms FAMAS (.22 Long Rifle)	SA	1	Nil	3	1	Nil	30
Mitchell Arms FAMAS (.22 Magnum)	SA	1	Nil	3	1	Nil	37

Mitchell Arms Galil

Notes: This is a small-caliber copy of the Galil. It is an almost-exact copy of the Galil, but has a wooden non-folding stock, and wooden pistol grip and handguard. It cannot mount a bayonet, fire rifle grenades, or mount a bipod. It also can't open bottles with the handguard.

Weapon	Ammunition	Weight	Magazines	Price
Mitchell Arms Galil	.22 Long Rifle	2.72 kg	29	\$231
Mitchell Arms Galil	.22 Winchester Magnum Rimfire	2.72 kg	10	\$252

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Mitchell Arms Galil (.22 Long Rifle)	SA	1	Nil	5	1	Nil	37
Mitchell Arms Galil (.22 Magnum)	SA	1	Nil	5	1	Nil	46

Mitchell's Mausers Black Lightning

Notes: This rifle is intended to be a varmint and pest-control rifle. It is, despite its rimfire calibers, a rather accurate rifle with decent range for its intended purpose.

The Black Lightning has (of course) a stock made of black polymer; because the buttstock is solid rather than hollow or filled, the Black Lightning is surprisingly heavy. Most of the metalwork is also finished in black. The barrel is 18 inches long, fluted, and extra-heavy, and is crowned. The top of the receiver has a MIL-STD-1913 rail for the mounting of optics, and scope rings as well as detachable iron sights (based on those of the AR-15) also come with the Black Lightning. Operation is by simple blowback. The magazine loads into the pistol grip. There is a narrow "bow" extending from about two-thirds of the way down the stock to the bottom of the pistol grip; Lisa Buttrell of Mitchell's Mausers says, "The bow conforms to the rifle's futuristic appearance and has a tendency to keep the BATF happy."

Twilight 2000 Notes: The Black Lightning does not exist in the Twilight 2000 timeline; indeed, it did not even go on real-world sale until late 2006.

Weapon	Ammunition	Weight	Magazines	Price
Black Lightning	.17 Mach 2 Rimfire	3.63 kg	9	\$243
Black Lightning	.17 Hornady Magnum Rimfire	3.68 kg	9	\$252
Black Lightning	.22 Long Rifle	3.68 kg	9	\$251
Black Lightning	.22 Winchester Magnum Rimfire	3.71 kg	9	\$271

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Black Lightning (.17 Mach 2)	SA	2	1-Nil	5	1	Nil	43
Black Lightning (.17 Hornady)	SA	2	1-Nil	5	1	Nil	48
Black Lightning (.22 Long Rifle)	SA	1	Nil	5	1	Nil	39
Black Lightning (.22 Magnum)	SA	1	Nil	5	1	Nil	48

Mossberg 50

Notes: This rifle is noted for its toughness; it can take a great deal of abuse and keep going. It is otherwise a plain, even unsophisticated rifle. Introduced in 1939, the original Model 50 stopped production soon after the bombing of Pearl Harbor in 1941, as Mossberg began to concentrate on military weapons. The tubular magazine was in the stock, with a loading port cut into the right side. The stock was of plain hardwood with a pistol grip wrist. The sights were mounted on the 24-inch barrel, and consisted of spring-leaf and elevator rear and a simple ramp front.

Variants included the Model 51; this version used a heavier stock with a cheekpiece and a second micrometer-adjustable rear sight at the rear of the receiver. It was built only in small numbers in 1939, and though it is heavier than the Model 50, it shoots the same for game purposes. The Model 51M was built from 1939-41, and then again from 1945-46; it is a short version, with a 20-inch barrel and a Mannlicher-type stock. The cheekpiece on pre-war guns was of an oval shape, while on post-war Model 51Ms the cheekpiece is more of a wedge shape.

The Model 151M is a variant of the post-war Model 51M, and was built from 1946-47. Changes included a rubber recoil pad on the butt and modifications to the sights. The Model 151K was built from 1950-51, and differed in having a half-length fore-end with a Monte Carlo-type comb and cheekpiece, and a Schnabel tip on the fore-end. It omitted the recoil pad, and also had a full 24-inch barrel.

The Model 152 was a carbine variant built from 1948-52. The Model 152 had an 18-inch barrel, a Monte Carlo-type stock, and a fore-end tip which could be pivoted downward into sort of a foregrip. The Model 152 was also fed from a box magazine instead of the stock tube, and the rear sight was a simple peep-type. The Model 152K is virtually identical, but has a notch-type rear sight, and is identical to the Model 152 for game purposes.

Weapon	Ammunition	Weight	Magazines	Price
Mossberg 50	.22 Long Rifle	3.08 kg	15 Tubular	\$296
Mossberg 51	.22 Long Rifle	3.12 kg	15 Tubular	\$297
Mossberg 51M	.22 Long Rifle	2.95 kg	15 Tubular	\$256
Mossberg 151M	.22 Long Rifle	3.02 kg	15 Tubular	\$306
Mossberg 151K	.22 Long Rifle	2.73 kg	15 Tubular	\$296
Mossberg 152	.22 Long Rifle	2.54 kg	7	\$235

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Mossberg 50	SA	1	Nil	6	1	Nil	48
Mossberg 51M	SA	1	Nil	5	1	Nil	41
Mossberg 151M	SA	1	Nil	5	1	Nil	41
Mossberg 151K	SA	1	Nil	6	1	Nil	48
Mossberg 152	SA	1	Nil	5	1	Nil	37

Mossberg 350K

Notes: This semiautomatic rimfire rifle shared some components with the Model 340 bolt-action rimfire rifle. Built from 1958-85, the Model 350 had a shrouded hammer and a Monte Carlo comb with a fixed cheekpiece. The receiver was round-topped and squared on the sides, and the mechanism shares many components with the Model 340 series. The stock was of the Monte Carlo-type with a cheekpiece on the left side of the stock (though it could also be ordered with the cheekpiece on the other side for left-handed shooters), and the fore-end was half-length and rounded at the tip. Barrel length was 23.5 inches, and the sights consisted of a rear spring-leaf and elevator with a front ramp.

There were many variants of the Model 350K, most of which are identical to the Model 350K for game purposes. Some which are not identical for game purposes include the Model 351C carbine, sometimes called the "Western Carbine." This version had a 18.5-inch barrel with a barrel band around the barrel and fore-end to which a saddle ring could be attached. The Model 351K used a tubular magazine in the stock, a 24-inch barrel, and an open spring-leaf and elevator rear sight. It was built only from 1958-60. The M-352 was another carbine variant of the Model 350K, with an 18.5-inch barrel, but lacking the cheekpiece and having a Tenite plastic fore-end extension which could swing downward to form a sort of foregrip. There are weight differences, but it shoots the same as the Model 351C for game purposes. The Model 377 Plinkster used a 20-inch barrel, was fed by a tubular magazine in the stock, and a stock of polystyrene within a walnut shell. The stock had a rollover comb and a thumbhole-type pistol grip wrist. No iron sights were provided, but instead a 4x scope came as standard equipment. The Model 380 was a simplified pattern, lighter than the rest of the series and with a tubular magazine in the stock. For game purposes, it shoots the same as the Model 350K. In 1985, the name of the Model 380 was changed to "Model 480," but changed back in 1986.

Weapon	Ammunition	Weight	Magazines	Price
Mossberg 350K	.22 Short, .22 Long, and .22 Long Rifle	2.78 kg	7	\$291
Mossberg 351C	.22 Short, .22 Long, and .22 Long Rifle	2.63 kg	7	\$240
Mossberg 351K	.22 Long Rifle	2.94 kg	15 Tubular	\$296
Mossberg 352	.22 Short, .22 Long, and .22 Long Rifle	2.6 kg	7	\$240
Mossberg 377 Plinkster	.22 Long Rifle	2.55 kg	15 Tubular	\$461
Model 380	.22 Long Rifle	2.5 kg	15 Tubular	\$289

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Mossberg 351K (.22 Short)	SA	-2	Nil	6	1	Nil	39
Mossberg 351K (.22 Long)	SA	1	Nil	6	1	Nil	43
Mossberg 351K (.22 Long Rifle)	SA	1	Nil	6	1	Nil	47
Mossberg 351C (.22 Short)	SA	-2	Nil	5	1	Nil	31
Mossberg 351C (.22 Long)	SA	1	Nil	5	1	Nil	35
Mossberg 351C (.22 Long Rifle)	SA	1	Nil	5	1	Nil	38
Mossberg 351K	SA	1	Nil	6	1	Nil	48
Mossberg 377 Plinkster	SA	1	Nil	5	1	Nil	41

Mossberg 430

Notes: This weapon was produced for only a few months between 1970 and 1971. The Model 430 used a round-topped slab-sided receiver. The rifle had a Monte Carlo-type stock with a short fore-end and checkering on the fore-end and pistol grip wrist. It was fed from a tubular magazine. Spring-leaf and elevator rear sights and a bead front sight were fitted, and the Model 430 had a 24-inch

barrel. The Model 433 was a deluxe version of the Model 430. The Model 432 was a carbine variant with a 20-inch barrel, a straight-wrist stock with no checkering, and a band around the fore-end and barrel. Production of the Model 432 did not stop until 1973.

None of these rifles were built in great numbers, and they are difficult to find today.

Weapon	Ammunition	Weight	Magazines	Price
Mossberg 430	.22 Long Rifle	2.86 kg	18 Tubular	\$291
Mossberg 432	.22 Long Rifle	2.72 kg	18 Tubular	\$251

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Mossberg 430	SA	1	Nil	6	1	Nil	48
Mossberg 432	SA	1	Nil	5	1	Nil	41

Mossberg MMR

Notes: A semiautomatic rifle from a company more known for their bolt-action hunting rifles, the MMR (Mossberg Modern Rifle) is an AR Clone with plenty of divergent figures to make it separate from the AR-15. The base model, the Hunter (called simply the MMR at first) has a flattop receiver with a MIL-STD-1913 rail machined into the top; no iron sights come with the rifle, but they can be had from Mossberg. The stock is of the A2 type, but the pistol grip is a Stark SE-1, which has a hinged compartment at the bottom for batteries or other small items. The handguards are round aluminum, textured for grip, and ventilated near the front. The 20-inch free floating barrel is of heavy profile and has a target crown. Standard Finish is Phosphate/Anodized (Black), but Mossy Oak Treestand and Mossy Oak Brush finishes are optional.

The Tactical is a shorter version of the Hunter. Differences include the 16.25-inch barrel tipped with a compact muzzle brake, a MIL-STD-1913 rail that extends down the receiver and top of the handguard, another rail underneath, an M-4-type sliding stock, and a black finish (only). Iron Sights to mount on the rails is optional

Weapon	Ammunition	Weight	Magazines	Price
Hunter	5.56mm NATO	3.18 kg	5, 6, 10, 20, 30	\$616
Tactical	5.56mm NATO	3.4 kg	5, 6, 10, 20, 30	\$596

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Hunter	SA	3	1-Nil	6	3	Nil	60
Tactical	5	3	1-Nil	5	2	6	42

MPA-971 Carbine

This is a rather odd-looking weapon; the handguards appear to be those of an M-4 carbine, the receiver group seems to be copied from the M-10 submachinegun, the stock looks like that of the Mk 48 machinegun, it has a MIL-STD-1913 rail with a flip-up rear sight (no front sight), the trigger group and lower receiver are modified FAL parts, and it can be fed from box magazines or even from an M-31 Suomi 71-round drum! The handguards are held in place by a screw-on ring, making removal easier, and the entire weapon strips rather easily. The muzzle readily accepts a variety of brakes, flash suppressors, and sound suppressors, though it is not sold this way. It is a strange-looking weapon, but it is otherwise rather effective, within the limitations of its ammunition. It is, unfortunately, a bit heavy, but this helps in controllability.

Weapon	Ammunition	Weight	Magazines	Price
MPA-971 Carbine	9mm Parabellum	4.54 kg	30, 50, 71 Drum	\$367

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
MPA-971 Carbine	SA	2	1-Nil	5	1	Nil	36

MSAR STG-556

Notes: One of the newest civilian versions of the Steyr AUG series is the STG-556. Built by a Steyr subsidiary in the US called Microtech Small Arms Research (MSAR), the STG-556 is actually built from better-quality materials and to closer tolerances than the AUG. The receiver is, in fact, made from 7075-76 aluminum rather than polymer, and is hardcoat-anodized. (The stock is still polymer.) The STG-556 also has a bolt hold-open feature and a forward assist. Though MIL-STD-1913 rails are not standard features, two attachment points for them are provided under the optical sight; alternatively, the STG-556 can be ordered without the AUG-like optical sight and with a MIL-STD-1913 rail atop the receiver instead. The optical sight is still 1.5x, but the reticle is different. Magazines used are of the traditional AUG-specific type used on the AUG A1 series, with 10 and 20-round magazines also being available. (These reduced-capacity magazines will also fit into an AUG A1.) An unusual feature is that the STG-556 can be had in 6.8mm SPC, and a kit is also available to convert a 5.56mm STG-556 to fire 6.8mm SPC.

A variant of the STG-556, the MSC-08, can be had as a complete rifle or as a kit to convert the STG-556 to the MSC-08 configuration. The MSC-08 is a 9mm carbine with a 16.5-inch barrel. The features are for the most part the same as the STG-556, except for the varying barrel lengths.

A new version of the STG-556 introduced in 2010, the STG-E4, is a modular kit (of various sizes according to which the customer is willing to pay) which allows for the use of either a 16-inch barrel or a 20-inch barrel and several ammunition chamberings. The kit

can be used on the lower receiver of a standard STG-556; the STG-E4 is sort of an outgrowth of the MSC-08 technology. The upper receiver kit may be had with the standard AUG-type 1.5x detachable sight or a 22.86-centimeter length of MIL-STD-1913 rail topped by the same optic, but with a rail interface. (The prices below assume the use of a MIL-STD-1913 rail; if the standard optic and interface is used, reduce price by 1% and weight by 0.01 kg.) The STG-E4 can be had with the furniture in OD Green, black, or tan. The STG-E4 will accept most commercial or military magazines of the appropriate caliber, but MSAR also makes their own magazine (the XM-30) which is made of translucent, non-glare polymer and has an improved-reliability magazine spring, follower, and guide rails for the follower. Each additional receiver/barrel /parts kit costs 30% the price of the original rifle as listed below with the same chambering, and has 50% of the weight.

Twilight 2000 Notes: These weapons do not exist in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
STG-556 (14" Barrel)	5.56mm NATO	3.21 kg	10, 20, 30, 42	\$674
STG-556 (16" Barrel)	5.56mm NATO	3.27 kg	10, 20, 30, 42	\$695
STG-556 (20" Barrel)	5.56mm NATO	3.36 kg	10, 20, 30, 42	\$736
STG-556 (14" Barrel)	6.8mm SPC	3.6 kg	8, 16, 26, 36	\$813
STG-556 (16" Barrel)	6.8mm SPC	3.67 kg	8, 16, 26, 36	\$834
STG-556 (20" Barrel)	6.8mm SPC	3.77 kg	8, 16, 26, 36	\$875
MSC-08	9mm Parabellum	3.51 kg	25, 32	\$500
STG-E4 (16" Barrel)	5.45mm Kalashnikov	3.16 kg	10, 20, 30, 40	\$650
STG-E4 (20" Barrel)	5.45mm Kalashnikov	3.34 kg	10, 20, 30, 40	\$691
STG-E4 (16" Barrel)	5.56mm NATO	3.26 kg	10, 20, 30, 42	\$701
STG-E4 (20" Barrel)	5.56mm NATO	3.45 kg	10, 20, 30, 42	\$743
STG-E4 (16" Barrel)	6.8mm SPC	3.66 kg	8, 16, 20, 26, 30, 36	\$833
STG-E4 (20" Barrel)	6.8mm SPC	3.75 kg	8, 16, 20, 26, 30, 36	\$874
STG-E4 (16" Barrel)	7.62mm Kalashnikov	3.77 kg	10, 20, 30, 40	\$951
STG-E4 (20" Barrel)	7.62mm Kalashnikov	3.86 kg	10, 20, 30, 40	\$993
MSC-08 Conversion Kit	N/A	1.76 kg	N/A	\$167

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
STG-556 (5.56mm, 14")	SA	3	1-Nil	4	2	Nil	29
STG-556 (5.56mm, 16")	SA	3	1-Nil	4	2	Nil	36
STG-556 (5.56mm, 20")	SA	3	1-Nil	5	2	Nil	50
STG-556 (6.8mm, 14")	SA	3	1-2-Nil	4	2	Nil	39
STG-556 (6.8mm, 16")	SA	3	1-2-Nil	4	2	Nil	48
STG-556 (6.8mm, 20")	SA	3	1-2-Nil	5	3	Nil	67
MSC-08	SA	2	Nil	5	1	Nil	37
STG-E4 (5.45mm, 16")	SA	3	1-Nil	4	2	Nil	40
STG-E4 (5.56mm, 20")	SA	3	1-Nil	5	2	Nil	55
STG-E4 (5.56mm, 16")	SA	3	1-Nil	4	2	Nil	36
STG-E4 (5.56mm, 20")	SA	3	1-Nil	5	2	Nil	50
STG-E4 (6.8mm, 16")	SA	3	1-2-Nil	4	2	Nil	48
STG-E4 (6.8mm, 20")	SA	3	1-2-Nil	5	3	Nil	67
STG-E4 (7.62mm, 16")	SA	4	2-Nil	5	4	Nil	40
STG-E4 (7.62mm, 20")	SA	4	2-3-Nil	6	4	Nil	54

New England Arms K-702

Notes: This is a semiautomatic magnum rimfire rifle, with folding sights, and drilled and tapped for a scope mount.

Weapon	Ammunition	Weight	Magazines	Price
K-702	.22 Winchester Magnum Rimfire	2.95 kg	5, 10	\$291

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
K-702	SA	1	Nil	5	1	Nil	57

Nosler Varmageddon

Notes: The Varmageddon name is taken not only by a rifle, but a line of ammunition, a special stock, and various other accouterments, meant of course, to be sold as a set. Nosler's treatment of the AR is designed, as the name suggests, to hunt and slay varmints and small game. The rifle itself is not so very special for an AR, being a mostly-standard AR-15-type weapon with a fancy Magpul PRS stock (adjustable for LOP and cheek height), a Magpul MOE pistol grip, an 18-inch barrel included in round handguards with 4-point MIL-STD-1913 rails, another such rail atop the receiver, a Geissele SD-E trigger pack, ambidextrous controls, and a Noveske BUIS. Finish is Type 3 hardcoat. The BUISs allow for micrometer adjustments. But all in all, it is merely a cut or two above a standard AR.

Weapon	Ammunition	Weight	Magazines	Price
Varmageddon	5.56mm NATO	3.86 kg	5, 10, 20, 30	\$614

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Varmageddon	SA	3	1-Nil	5/6	2	Nil	48

Olympic Arms PCR-8 MAG

This is an AR-15A3 clone chambered for the new .243 Winchester Super Short Magnum cartridge or .223 Winchester Super Short Magnum cartridge. These cartridges, along with barrels 4 inches longer than normal, gives the weapons great accuracy. The weapon has been modified as little as possible to accommodate the new caliber, with changes to the barrel, bolt carrier group, and magazine well, as well as the recoil spring and mass. The weapon retains the flattop receiver with a MIL-STD-1913 rail. It does not, however, have any sort of flash suppressor or muzzle brake. The barrel is, however, of match quality.

Twilight 2000 Notes: This weapon does not exist.

Weapon	Ammunition	Weight	Magazines	Price
PC-8 MAG	.243 Winchester Super Short Magnum	3.31 kg	10	\$689
PC-8 MAG	.223 Winchester Super Short Magnum	3.33 kg	10	\$693

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
PC-8 MAG (.243)	SA	4	1-2-Nil	6	3	Nil	94
PC-8 MAG (.223)	SA	4	1-2-Nil	6	3	Nil	94

Olympic Arms P Series and K Series

Notes: This is an AR-15A2 clone chambered for pistol cartridges. The weapon is mostly unmodified except for the modifications necessary for adaptation to the 9mm Parabellum cartridge, such as barrel (which is also shorter than normal), bolt-carrier group, magazine well, and sights; in addition, the weapon has no flash suppressor or muzzle brake of any kind. The handguards are short M-4-style handguards. The weapon is sold with 10-round magazines, but will in fact accept any sort of Glock-compatible magazine of the appropriate caliber. The PCR-30 is also similar to the other weapons of the PCR series, but is of lighter construction, and uses any magazine compatible with an M-1 Carbine. In addition, Olympic Arms also makes extended 40-round magazines for the PCR-30.

These rifles were largely discontinued after the demise of the Assault Weapons Ban, but in their place came the K series. These are for the most part identical to the PCR series, but being post-ban weapons, they are equipped with sliding stocks, flash suppressors, and can use larger-capacity magazines. All are available with 10 and 14-round magazines, but the K-9 is also able to use a modified Sten SMG magazine, while the others may use magazines modified from Uzi magazines. These magazines are proprietary, unfortunately. 16-inch barrels are standard; 20-inch barrels are optional.

It should be noted that on both the PCR series and the K series, there are forward assists; they don't actually do anything however, being there simply for looks and in imitation of the AR-15.

Twilight 2000 Notes: The PCR-30 is not available, nor are any of the K series.

Weapon	Ammunition	Weight	Magazines	Price
PCR-9	9mm Parabellum	3.18 kg	10, 17, 19, 33	\$279
PCR-10	10mm Colt	3.18 kg	10, 17	\$337
PCR-40	.40 Smith & Wesson	3.18 kg	9, 10, 15	\$317
PCR-45	.45 ACP	3.18 kg	6, 10, 13	\$360
PCR-30	.30 Carbine	2.93 kg	10, 15, 30, 40	\$302

K-9 (16" Barrel)	9mm Parabellum	3.11 kg	10, 14, 32	\$301
K-9 (20" Barrel)	9mm Parabellum	3.27 kg	10, 14, 32	\$342
K-10 (16" Barrel)	10mm Colt	3.11 kg	10, 14, 30	\$361
K-10 (20" Barrel)	10mm Colt	3.27 kg	10, 14, 30	\$402
K-40 (16" Barrel)	.40 Smith & Wesson	3.11 kg	10, 14, 30	\$340
K-40 (20" Barrel)	.40 Smith & Wesson	3.27 kg	10, 14, 30	\$380
K-45 (16" Barrel)	.45 ACP	3.11 kg	10, 14, 30	\$385
K-45 (20" Barrel)	.45 ACP	3.27 kg	10, 14, 30	\$425

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
PCR-9	SA	2	1-Nil	5	1	Nil	35
PCR-10	SA	2	1-Nil	5	2	Nil	39
PCR-40	SA	2	1-Nil	5	2	Nil	37
PCR-45	SA	2	1-Nil	5	2	Nil	38
PCR-30	SA	2	1-Nil	5	1	Nil	44
K-9 (16")	SA	2	1-Nil	3/5	1	Nil	35
K-9 (20")	SA	2	1-Nil	4/5	1	Nil	46
K-10 (16")	SA	2	1-Nil	4/5	2	Nil	39
K-10 (20")	SA	2	1-Nil	4/6	2	Nil	50
K-40 (16")	SA	2	1-Nil	3/5	2	Nil	37
K-40 (20")	SA	2	1-Nil	4/5	2	Nil	48
K-45 (16")	SA	2	1-Nil	4/5	2	Nil	38
K-45 (20")	SA	2	1-Nil	4/6	2	Nil	49

Precision Weapons Krinkov AOW

Notes: This is basically a faux semiautomatic version of the Russian AKR submachinegun, with enough changes to make it US Class 3-legal and a few other cosmetic changes. The Krinkov AOW is based on a pre-ban milled receiver. As the Krinkov AOW is based on a standard civilian version of an AK-47, the designer had to make a lot of changes to the operating mechanism to adapt it to the shorter barrel; however, the workmanship is excellent. The front grip is angled so that it better helps with stabilizing the weapon against barrel climb. There is a recoil buffer in the receiver and a good muzzle brake.

Twilight 2000 Notes: This weapon does not exist.

Weapon	Ammunition	Weight	Magazines	Price
Krinkov AOW	7.62mm Kalashnikov	3.32 kg	10, 30, 40, 75 Drum	\$821

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Krinkov AOW	SA	3	2-Nil	3	3	Nil	17

PWS Woodland

Notes: This is not just another AR mod – The Woodland is a beautiful rifle. The fore-end and stock are of black/olive laminated hardwood, with a club-foot type stock and a sculpted wooden pistol grip. The butt is capped with a grippy rubber cap that really grabs on. The buttstock carries the buffer tube, and has a compartment with a copy of the proprietary barrel nut that the Woodland uses. The handguard has three holes cut in each side for cooling; questions have arisen whether these holes are enough to keep the barrel cool in sustained firing. Under the wood of the fore-end is aluminum, which does help distribute heat. It looks, in fact, like some of the descriptions of the M-16EZ – but an M-16EZ could not approach the accuracy of a Woodland without a lot of rifle surgery.

The other parts of the AR that are aluminum are aluminum on an AR are aluminum on a Woodland – the same with steel parts. The 18-inch barrel is in fact stainless steel – and free floating. It is ever so slightly tapered, and tipped by a compact muzzle brake. (The brake's action is described as "loud as hell," but very effective.) The trigger is a 2-stage match trigger made by Geissele, and the top of the receiver has a MIL-STD-1913 rail machined directly as a part of the upper receiver. The chamber is designed specifically to fire civilian .223 and military 5.56mm ammunition (not important by *Twilight 2000* v2.2 game rules, but an interesting wrench to throw into the game). Operation is by gas piston and the bolt carrier group is specifically designed to work with a gas piston system. A Bravo Gunfighter charging handle is used as it works better with overhanging optics.

Weapon	Ammunition	Weight	Magazines	Price
Woodland	5.56mm NATO	3.46 kg	5, 10, 20, 30	\$706

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Woodland	SA	3	1-Nil	6	2	Nil	50

Red Rock Arms BW-5

Notes: Red Rock Arms (formerly known as Bobcat Weapons; in 2008, a heavy equipment manufacturer asserted their trademark to the name "Bobcat") was known for the licensed manufacture of semiautomatic Heckler & Koch clones, most notably the HK-94. One of their latest ventures is a semiautomatic carbine variant of the MP-5 submachinegun (in particular, the FBI HRT version of the MP-5), known as the BW-5. The BW-5 is similar in appearance to the MP-5, and operate in a similar manner (except for automatic fire functions; however, to meet US legal requirements, they have 16.5-inch barrels instead of the standard barrel of an MP-5. The barrels further have a 1:10 twist and the weapon is equipped with a fluted chamber for more positive extraction. Buttstocks and handguards are synthetic; made from fiberglass-filled Nylon, in OD green, black, desert tan, or camouflage patterns. The BW-5 was originally built to accept a 10-round magazine to keep it within post-ban legal limits, but with the sunset of the Assault Weapons Ban, 20 and 30-round magazines could be had for the BW-5, and newer versions could accept MP-5 magazines. Two versions of the BW-5 exist: the BW-5 Standard Sporting Rifle, which is a straightforward carbine adaptation of the MP-5, and the BW-5 FS Sporting Rifle, which has a shorter barrel, but is equipped with a dummy silencer (for looks only; it does not reduce noise at all, and is legally considered an extension of the barrel). The BW-5 FS also has ambidextrous magazine release controls.

In 2008, Red Rock Arms announced the discontinuation of all versions of the BW-5; their source for parts had gone out of business. Red Rock Arms continued to sell the BW-5 until late in 2009, when they ran out of existing supplies of parts, but by early November of 2009, the BW-5 was no longer for sale by Red Rock Arms.

Twilight 2000 Notes: The versions of the BW-5 for sale in the Twilight 2000 timeline are essentially equivalent to post-Ban versions of the BW-5, able to use any sort of MP-5 magazine. The company would still be called Bobcat Weapons in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
BW-5 Standard	9mm Parabellum	2.95 kg	10, 20, 30	\$284
BW-5 FS	9mm Parabellum	3.03 kg	10, 20, 30	\$350

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
BW-5 Standard	SA	2	2-Nil	5	1	Nil	37
BW-5 FS	SA	2	2-Nil	5	1	Nil	37

Red Rock Arms ATR-1

Notes: The ATR-1 is another version of the FN-FAL, but it is chambered for 5.56mm NATO instead of 7.62mm NATO. (It is not based on the FNC.) Much of the parts are interchangeable with a metric-measurement FN-FAL, with some of the parts inside the receiver, the barrel, bolt group and bolt hold-open parts, and the magazine release being designed for use on the ATR-1 – and some of those parts are taken from or modified from the FNC and AR-15. The ATR-1 is also designed to be highly customizable; virtually any sort of aftermarket accessory imaginable can be put onto an ATR-1.

A semiautomatic-only weapon, the ATR-1 uses an adjustable gas system like that of the FAL. (Though it was not an intentional part of the design, the gas system can be adjusted to a point that allows it to function with a silencer fitted to the ATR-1, even if using subsonic ammunition.) The gas system can also be adjusted to the point that the rifle will fire, but not cycle; this can be useful when training those not familiar with firearms. The ATR-1 is designed so that an auto sear will not fit into it. The ATR-1 can be fed by any magazine that will fit into an AR-15, M-16, or M-4. The barrel is 16.25 inches long, technically making it a carbine, and it is tipped with an AR-15A2-type flash suppressor. The stock, fore-end, and pistol grip are made from lightweight glass-filled nylon. The primary external metal finish is in black Duracoat, though some minor parts are finished in black oxide.

Twilight 2000 Notes: The ATR-1 is not available in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
ATR-1	5.56mm NATO	3.63 kg	5, 10, 20, 30	\$567

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
ATR-1	SA	3	1-Nil	6	2	Nil	41

Remington 8

Notes: Later known as the Model 8A, the Model 8 was the first centerfire semiautomatic rifle to be built in North America. It was designed by John Browning, and while it is not one of his more elegant designs, it does function well. The Model 8 is recoil-operated, with the recoil spring surrounding the barrel and inside a steel metal tube jacket surrounding the barrel. When fired, the barrel, bolt, and bolt carrier assembly recoil as a unit. The stock normally incorporates a straight wrist, but half pistol grips could be ordered upon request. The standard rifle was chambered only for proprietary Remington cartridges, but the Model 81A Woodsmaster variant was also made for .300 Savage cartridges.

Weapon	Ammunition	Weight	Magazines	Price
Remington 8	.25 Remington	3.22 kg	5	\$804
Remington 8	.30 Remington	3.36 kg	5	\$1037
Remington 8	.32 Remington	3.46 kg	5	\$1110

Remington 8	.35 Remington	3.94 kg	5	\$1709
Remington 81A	.25 Remington	3.44 kg	5	\$804
Remington 81A	.30 Remington	3.59 kg	5	\$1037
Remington 81A	.32 Remington	3.7 kg	5	\$1110
Remington 81A	.35 Remington	4.21 kg	5	\$1709
Remington 81A	.300 Savage	3.5 kg	5	\$979

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Remington 8/81A (.25)	SA	3	2-Nil	7	4	Nil	63
Remington 8/81A (.30)	SA	4	2-3-Nil	7	4	Nil	72
Remington 8/81A(.32)	SA	4	2-3-Nil	7	4	Nil	72
Remington 8/81A (.35)	SA	5	2-3-Nil	7	4	Nil	72
Remington 81A (.300)	SA	4	2-3-Nil	7	4	Nil	71

Remington 16

Notes: This is an early rimfire autoloader that was not particularly successful, yet was built for about 14 years. Only the version chambered for .22 Remington Auto was built after 1918. The Remington 16 was a takedown rifle with a concealed hammer. The tubular magazine is in the butt. As with many Remington designs of the period, the Remington 16 came in Grades A-F, with the weapon becoming successively fancier and more decorated as one progressed through the grades.

Weapon	Ammunition	Weight	Magazines	Price
Remington 16	.22 Short	2.57 kg	15 Tubular	\$268
Remington 16	.22 Long Rifle	2.6 kg	15 Tubular	\$276
Remington 16	.22 Winchester Magnum Rimfire	2.67 kg	15 Tubular	\$297
Remington 16	.22 Remington Auto	2.61 kg	15 Tubular	\$279

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Remington 16 (.22 Short)	SA	-2	Nil	5	1	Nil	36
Remington 16 (.22 Long Rifle)	SA	1	Nil	5	1	Nil	45
Remington 16 (.22 Magnum)	SA	1	Nil	5	1	Nil	57
Remington 16 (.22 Auto)	SA	1	Nil	5	1	Nil	48

Remington 24

Notes: This is basically an FN-Browning design produced under license, with few changes. Though the license was granted in 1917, production was delayed until 1922, due to Remington's obligations to the US government during World War 1. (By this time, Remington decided to change the name to the Model 24A.) Production continued until 1935, with about 80,000 being built.

Operation of the Model 24 was by a rather simple blowback mechanism. The Model 24 was fed by a tubular magazine in the stock of the rifle; loading was done through a loading gate in right side of the stock just behind the pistol grip wrist. Case ejection was downward in front of the trigger guard. Versions chambered for .22 Long Rifle used 21-inch barrels; those chambered for .22 Short had 19-inch barrels.

From 1935-1941, and later from 1945-1951, Remington brought back the Model 24 in the form of the Model 241A Speedmaster. The Model 241A used a 24-inch barrel in both chamberings, and was designed with a strengthened receiver and mechanism to handle more powerful loads. The Model 241A was also a "takedown gun;" it was designed to be easily disassembled into its major components for transport or storage.

Weapon	Ammunition	Weight	Magazines	Price
Remington 24	.22 Short	2.2 kg	10 Tubular	\$238
Remington 24	.22 Long Rifle	2.27 kg	10 Tubular	\$266
Remington 241A	.22 Short	2.33 kg	10 Tubular	\$289
Remington 241A	.22 Long Rifle	2.35 kg	10 Tubular	\$296

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Remington 24 (.22 Short)	SA	-2	Nil	5	1	Nil	32
Remington 24 (.22 Long Rifle)	SA	1	Nil	5	1	Nil	43
Remington 241A (.22 Short)	SA	-2	Nil	6	1	Nil	36
Remington 241A (.22 Long Rifle)	SA	1	Nil	6	1	Nil	48

Remington 522 Viper

Notes: This is another synthetic-stocked rimfire rifle, this one much newer than the Nylon 66 (1993). The Viper is made of matte black composite materials. It has a bolt hold-open device after the magazine is empty, and a box magazine instead of a tube. The Viper has a William's-type rear sight which is extremely adjustable. The Viper has a rail on top for the attachment of telescopic sights.

Weapon	Ammunition	Weight	Magazines	Price
Remington 522 Viper	.22 Long Rifle	2.1 kg	10	\$260

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Remington 522 Viper	SA	1	Nil	5	1	Nil	41

Remington 550

Notes: Unlike most semiautomatic rimfire rifles, the Remington 550 can chamber .22 Short, .22 Long, and .22 Long Rifle ammunition interchangeably – even to the point of mixing them in the magazine. This is done with a floating chamber known as a “Power Piston.”

Weapon	Ammunition	Weight	Magazines	Price
Remington 550	.22 Short, .22 Long, and .22 Long Rifle	2.84 kg	22 (.22 Short), 19 (.22 Long), 15 (.22 Long Rifle); Tubular	\$276

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Remington 550 (.22 Short)	SA	-2	Nil	5	1	Nil	36
Remington 550 (.22 Long)	SA	1	Nil	5	1	Nil	41
Remington 550 (.22 Long Rifle)	SA	1	Nil	5	1	Nil	46

Remington 552 Speedmaster

Notes: The Speedmaster is a semiautomatic rimfire rifle using inertia locking recoil operation to actuate the mechanism. The Speedmaster was introduced as the Model 552A Speedmaster in 1959, and sold as such until 1988, when the “A” was dropped. The stock and fore-end is of walnut, and it is fed by a tubular magazine. In 1966, a variant of this weapon known as the Model 552 BDL Speedmaster was introduced; this is a luxury version with a shorter barrel and lesser weight, but with elaborate metalwork. The tubular magazine can handle .22 Short, .22 Long, and .22 Long Rifle rounds, even interchangeably.

Weapon	Ammunition	Weight	Magazines	Price
Remington 552	.22 Short, .22 Long, and .22 Long Rifle	2.67 kg	22 (.22 Short), 17 (.22 Long), 15 (.22 Long Rifle); Tubular	\$281
Remington 552 BDL	.22 Short, .22 Long, and .22 Long Rifle	2.6 kg	22 (.22 Short), 17 (.22 Long), 15 (.22 Long Rifle); Tubular	\$261

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Remington 552 (.22 Short)	SA	-2	Nil	5	1	Nil	36
Remington 552 (.22 Long)	SA	1	Nil	5	1	Nil	41
Remington 552 (.22 Long Rifle)	SA	1	Nil	5	1	Nil	46
Remington 552 BDL(.22 Short)	SA	-2	Nil	5	1	Nil	35
Remington 552 BDL(.22 Long)	SA	-1	Nil	5	1	Nil	39
Remington 552 BDL(.22 Long Rifle)	SA	1	Nil	5	1	Nil	43

Remington 597

This family of rifles was introduced in 1997. They are semiautomatic rifles with plastic or wood stocks (depending upon the model). The base Model 597 has a dark gray plastic stock and is chambered in .22 Long Rifle, the Model 597 Magnum has a black plastic stock and is chambered in .22 Winchester Magnum Rimfire, the Model 597 LS has a laminated wood stock and is chambered for .22 Winchester Magnum Rimfire, and the Model 597 LSS has a laminated wood stock and a stainless steel barrel and receiver, and is chambered for .22 Long Rifle. All these versions have internal parts coated with a thin layer of Teflon for smooth operation. They use an improved version of the Nylon 66's trigger. They use rear leaf sights which are adjustable for height and drift, and the receiver is also drilled and tapped for a telescopic sight. They are magazine-fed.

Other variants of the Model 597 are the Model 597 SS, introduced in 1998; it has the stainless steel receiver and barrel of the Model 597 LSS, but the synthetic stock of the Model 597. It is identical for game purposes to the Model 597. The Model 597 Custom Target and Custom Target Magnum are match-barreled versions of the standard models, with wooden stocks, match triggers, and no iron sights. The Model 597 Stainless Sporter has a stainless steel barrel, aluminum alloy receiver and a wooden stock. The Model 597 HB and HB Magnum have heavy blued-steel barrels, wooden stocks, and no iron sights. In 2003, a version of the Model 597 Magnum appeared chambered in .17 Hornady Magnum Rimfire, and this version may be had with a synthetic or wooden stock.

Twilight 2000 Notes: These rifles do not exist in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
Remington 597	.22 Long Rifle	2.5 kg	10	\$260
Remington 597 Magnum	.22 Winchester Magnum Rimfire	2.6 kg	9	\$281
Remington 597 Magnum (Plastic Stock)	.17 Hornady Magnum Rimfire	2.7 kg	7	\$359

Remington 597 Magnum (Wooden Stock)	.17 Hornady Magnum Rimfire	2.9 kg	7	\$349
Remington 597 LS	.22 Winchester Magnum Rimfire	2.8 kg	9	\$271
Remington 597 LSS	.22 Long Rifle	2.7 kg	10	\$250
Remington 597 Custom Target	.22 Long Rifle	3.4 kg	10	\$260
Remington 597 Custom Target Magnum	.22 Winchester Magnum Rimfire	3.6 kg	9	\$281
Remington 597 Stainless Sporter	.22 Long Rifle	2.65 kg	10	\$250
Remington 597 HB	.22 Long Rifle	3.4 kg	10	\$255
Remington 597 HB Magnum	.22 Winchester Magnum Rimfire	3.6 kg	9	\$276

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Remington 597/597 LSS	SA	1	Nil	5	1	Nil	41
Remington 597 Magnum/597 LS (.22 Magnum)	SA	1	Nil	5	1	Nil	52
Remington 597 Magnum (.17)	SA	2	1-Nil	5	1	Nil	52
Remington 597 Custom Target	SA	1	Nil	5	1	Nil	43
Remington 597 Custom Target Magnum	SA	1	Nil	5	1	Nil	54
Remington 597 Stainless Sporter	SA	1	Nil	5	1	Nil	41
Remington 597 HB	SA	1	Nil	5	1	Nil	42
Remington 597 HB Magnum	SA	1	Nil	5	1	Nil	53

Remington 740A Woodsmaster

Notes: This rifle was developed to replace the Model 81 in production. It was externally similar to the pump-action Model 760. It had a straight-comb butt and the rear sight was quite far forward – almost a quarter of the way down the barrel. The Remington 740A was chambered for one of three calibers. The Remington 742A was almost identical, except for the expanded range of cartridges, but most of the changes were cosmetic. The Model 742 Carbine had only an 18.5” barrel, but was built in only two calibers. Other versions (the 740ADL, 740BDL, 742ADL, 742BDL, 742D Peerless, and 742F Premier) were primarily deluxe rifles.

In 2005, Remington introduced the Model 750. This is an update of the Model 742A, including a new stock with a different shape. Users of the Model 742A said that while the high Monte Carlo comb of that rifle was perfect for using iron sights, it was really the wrong shape for use with a scope. The Model 750’s stock uses a lower comb, and in addition has a thick R3 rubber recoil pad. The pistol grip wrist and fore-end are checkered. The fore-end is also reshaped, being tapered in the direction of the muzzle of the barrel. The fore-end also has a finger swell which runs almost all the way back to the receiver. The walnut of the stock and fore-end are of select grade and dark-stained with a polyurethane finish. Inside, the gas orifice holes have been moved rearward slightly, allowing the bolt to move more efficiently, improving feed reliability, and fouling the system less.

Twilight 2000 Notes: The Model 750 Rifle and Carbine are not available in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
Remington 740A	.280 Remington	3.55 kg	4	\$1092
Remington 740A	7.62mm NATO	3.47 kg	4	\$1034
Remington 740A	.30-06 Springfield	3.75 kg	4	\$1220
Remington 742A	.243 Winchester	2.8 kg	4	\$742
Remington 742A	.280 Remington	3.27 kg	4	\$1087
Remington 742A	7.62mm NATO	3.19 kg	4	\$1029
Remington 742A	.30-06 Springfield	3.45 kg	4	\$1215
Remington 742 Carbine	7.62mm NATO	3.14 kg	4	\$993
Remington 742 Carbine	.30-06 Springfield	3.4 kg	4	\$1180
Remington 750	.243 Winchester	3.4 kg	4	\$817
Remington 750	.270 Winchester	3.69 kg	4	\$1123
Remington 750	7.62mm NATO	3.64 kg	4	\$1104
Remington 750	.30-06 Springfield	3.94 kg	4	\$1290
Remington 750	.35 Whelan	4.27 kg	4	\$2085
Remington 750 Carbine	.243 Winchester	3.29 kg	4	\$782
Remington 750 Carbine	.270 Winchester	3.57 kg	4	\$1087
Remington 750 Carbine	7.62mm NATO	3.52 kg	4	\$1068
Remington 750 Carbine	.30-06 Springfield	3.81 kg	4	\$1255
Remington 750 Carbine	.35 Whelan	4.13 kg	4	\$1978

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Remington 742A (.243)	SA	3	2-Nil	7	3	Nil	60
Remington 740A/742A (.280)	SA	4	2-3-Nil	7	4	Nil	56
Remington 740A/742A (7.62mm)	SA	4	2-3-Nil	7	4	Nil	72
Remington 740A/742A (.30-06)	SA	4	2-3-Nil	7	4	Nil	62

Remington 742 Carbine (7.62mm)	SA	4	2-3-Nil	6	4	Nil	55
Remington 742 Carbine (.30-06)	SA	4	2-3-Nil	7	4	Nil	48
Remington 750 (.243)	SA	3	2-Nil	6	2	Nil	60
Remington 750 (.270)	SA	4	2-3-Nil	7	3	Nil	55
Remington 750 (7.62mm)	SA	4	2-3-Nil	7	3	Nil	72
Remington 750 (.30-06)	SA	4	2-3-Nil	7	3	Nil	62
Remington 750 (.35)	SA	5	2-4-Nil	7	4	Nil	72
Remington 750 Carbine (.243)	SA	3	2-Nil	6	2	Nil	46
Remington 750 Carbine (.270)	SA	4	2-3-Nil	6	3	Nil	42
Remington 750 Carbine (7.62mm)	SA	4	2-3-Nil	6	4	Nil	55
Remington 750 Carbine (.30-06)	SA	4	2-3-Nil	6	3	Nil	48
Remington 750 Carbine (.35)	SA	5	2-4-Nil	7	4	Nil	55

Remington 1100 SFRCL Deer Gun

Notes: This version of the Remington 1100 shotgun, introduced in 1997, is nominally also a shotgun, but it has a fully rifled barrel and is designed for firing only slugs or Saboted slugs, and firing shot through it will damage that rifling and should not be done. "SFRCL" stands for "Synthetic Fully-Rifled Cantilever;" the "Synthetic" part refers to its reinforced plastic stock, the "Fully-Rifled" part refers to its barrel, and the "Cantilever" part refers to its special sight base which accepts most civilian sights and telescopic sights. Another version of the Model 1100 SFRCL, the Model 1100 LT-20 FRRS (Fully-Rifled Rifle-Sighted) is designed for 20 gauge and has a rear adjustable leaf sight; it is not drilled and tapped for a scope, nor does it have the special sight base of the SFRCL.

Twilight 2000 Notes: These weapons do not exist in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
Remington 1100 SFRCL	12 Gauge 2.75" (Slugs Only)	3.4 kg	5 Tubular	\$667
Remington 1100 LT-20 FRRS	20 Gauge 2.75" (Slugs Only)	3.2 kg	5 Tubular	\$536

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Remington 1100 SFRCL	SA	6	2-4-Nil	7	5	Nil	67
Remington 1100 LT-20 FRRS	SA	5	2-4-Nil	6	5	Nil	67

Remington Four

Notes: Essentially a modernized Model 740 series, the Model Four was introduced in 1981. The Model Four has a hardwood stock with a high-gloss (and weatherproof) polyurethane finish, shaped in the Monte Carlo style with a pistol grip wrist and checkering on the grip and fore-end. An interesting feature is a cartridge case cap on the bottom of the casing of the rifle; this cap is the same as the chambering of the rifle. It was produced in several variants other than the standard rifle, including the Peerless, with an engraved receiver and premium woods for the stock, and the Premier, with gold-inlaid engraving. (These two are identical to the standard model for game purposes.)

The Model Four was built until 1987 and sold until 1989, but it was replaced by the Model 7400. The first of this line was the Model 74, which was basically an inexpensive version of the Remington 7400. It was made only from 1985-1987, and only in one chambering (.30-06 Springfield). The standard version of the Model 7400 itself is identical to the Model Four for game purposes. Several special editions of the Model 7400 were built, including the Model 7400 ADF (American Deer Foundation), in .30-06 only and with part of the proceeds from the sales going to that foundation. The Model 7400 was brought out in .35 Whelan, a popular cartridge in Europe at that time (1992), specifically for sales to that continent; it was discontinued in 1997. The Model 7400 Jubilee came out in 1996, to celebrate Remington's 180th anniversary; this version has a receiver with engravings inlaid with gold. The Model 7400 Synthetic was introduced in 1998; this version has a high-impact plastic/fiberglass stock and reduced weight, but is otherwise identical to the standard version. A carbine version of the Model 7400 Synthetic with an 18.5-inch barrel was also available at the same time, but chambered only for .30-06 Springfield.

Twilight 2000 Notes: The Model 7400 Jubilee, Model 7400 Synthetic, and Model 7400 Synthetic Carbine do not exist in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
Remington Four	6mm Remington	3.4 kg	4	\$786
Remington Four	.243 Winchester	3.32 kg	4	\$742
Remington Four	.270 Winchester	3.91 kg	4	\$1048
Remington Four	.280 Remington	3.98 kg	4	\$1087
Remington Four	7.62mm NATO	3.88 kg	4	\$1029
Remington Four	.30-06 Springfield	4.2 kg	4	\$1215
Remington 7400	.35 Whelan	4.92 kg	4	\$2010
Remington 7400 Synthetic	.243 Winchester	3.24 kg	4	\$752
Remington 7400 Synthetic	.270 Winchester	3.82 kg	4	\$1058
Remington 7400 Synthetic	.280 Remington	3.89 kg	4	\$1097

Remington 7400 Synthetic	7.62mm NATO	3.79 kg	4	\$1039
Remington 7400 Synthetic	.30-06 Springfield	4.11 kg	4	\$1225
Remington 7400 Synthetic Carbine	.30-06 Springfield	4.05 kg	4	\$1190

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Remington Four (6mm)	SA	3	2-Nil	6	3	Nil	55
Remington Four (.243)	SA	3	2-Nil	6	3	Nil	60
Remington Four (.270)	SA	4	2-3-Nil	7	4	Nil	55
Remington Four (.280)	SA	4	2-3-Nil	7	4	Nil	56
Remington Four (7.62mm)	SA	4	2-3-Nil	7	4	Nil	72
Remington Four (.30-06)	SA	4	2-3-Nil	7	4	Nil	62
Remington 7400 (.35)	SA	5	2-4-Nil	7	5	Nil	72
Remington 7400 Synthetic (.243)	SA	3	2-Nil	6	3	Nil	60
Remington 7400 Synthetic (.270)	SA	4	2-3-Nil	7	4	Nil	55
Remington 7400 Synthetic (.280)	SA	4	2-3-Nil	7	4	Nil	56
Remington 7400 Synthetic (7.62mm)	SA	4	2-3-Nil	7	4	Nil	72
Remington 7400 Synthetic (.30-06)	SA	4	2-3-Nil	7	4	Nil	62
Remington 7400 Synthetic Carbine (.30-06)	SA	4	2-3-Nil	6	4	Nil	48

Remington Nylon 66

Notes: This was a "futuristic" rifle at the time it was introduced (1959); its stock was made of injection-molded Zytel instead of wood. They could be made in almost any color (though the original Nylons were made in "Mohawk brown" wood grain finish), and color variants include Apache black, Seneca green (very garish), and some others. All have molded checkering in the right places. The tubular magazine is in the butt.

Weapon	Ammunition	Weight	Magazines	Price
Nylon 66	.22 Long Rifle	2.61 kg	14 Tubular	\$257

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Nylon 66	SA	1	Nil	5	1	Nil	40

Remington R-15 VTR

Notes: This AR-15-type rifle is designed primarily for hunting light game and varmints, though the later Hunter variants are designed for heavier game. Produced in partnership with Bushmaster, the R-15 VTR uses a bull-profile Chromoly barrel with button rifling, free-floating, and fluting to decrease weight. Rifle versions, including the Hunter, use 22-inch barrels in .30 Remington AR and an 18-inch barrel in .450 Bushmaster, the Carbine versions use 18-inch barrels, and the SS Varmint version uses a 22-inch barrel. The finish is an Advantage Max-1 HD camouflage pattern, with the exception of the Hunter version, which has a Realtree AP HD pattern. The R-15 VTR can be had with several barrel lengths, stock options, and pistol grip options, and as the rifle is of modular construction these options can be mixed and matched to suit the buyer. The trigger module is a single-stage trigger with a very clean and crisp pull, conducive to tight shot groups. The receiver is topped with a Weaver rail, and the aluminum handguards are round and ventilated. Collapsible stock versions come with an M-4-type stock, but with six positions. The Byron South Edition is a very fancy version of the R-15 VTR Predator Carbine in 5.56mm; for game purposes, they are identical.

Twilight 2000 Notes: The R-15 VTR is not available in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
R-15 VTR Predator Rifle	.204 Ruger	3.52 kg	5	\$589
R-15 VTR Predator Rifle	5.56mm NATO	3.52 kg	5, 10, 20, 30	\$639
R-15 VTR Predator Carbine	.204 Ruger	3.06 kg	5	\$546
R-15 VTR Predator Carbine	5.56mm NATO	3.06 kg	5, 10, 20, 30	\$595
R-15 VTR Predator Carbine CS	.204 Ruger	3.06 kg	5	\$566
R-15 VTR Predator Carbine CS	5.56mm NATO	3.06 kg	5, 10, 20, 30	\$615
R-15 VTR SS Varmint	5.56mm NATO	3.52 kg	5, 10, 20, 30	\$660
R-15 VTR Hunter	.30 Remington AR	3.52 kg	4	\$876
R-15 VTR Hunter	.450 Bushmaster	4.4 kg	4	\$2056

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
R-15 VTR Predator Rifle (.204)	SA	3	1-Nil	6	3	Nil	60
R-15 VTR Predator Rifle (5.56mm)	SA	3	1-Nil	6	3	Nil	67
R-15 VTR Predator Carbine (.204)	SA	3	1-Nil	6	3	Nil	44
R-15 VTR Predator Carbine (5.56mm)	SA	3	1-Nil	6	3	Nil	51

R-15 VTR Predator Carbine CS (.204)	SA	3	1-Nil	4/6	3	Nil	44
R-15 VTR Predator Carbine CS (5.56mm)	SA	3	1-Nil	4/6	3	Nil	51
R-15 VTR SS Varmint	SA	3	1-Nil	7	3	Nil	73
R-15 VTR Hunter (.30)	SA	5	1-2-3	7	4	Nil	84
R-15 VTR Hunter (.450)	SA	6	1-3-Nil	7	5	Nil	57

Rhineland Arms R-22/R-17

Notes: The R-22 is a .22 Long Rifle autoloading rifle which is an amalgamation of different weapons, along with original components and improvements. The bolt of the R-22 is a slightly-modified Ruger 10/22, and it can feed from standard Ruger 10/22 magazines in addition to its own proprietary magazines. The trigger is a standard AR-15 trigger, and the R-22 is able to accept any number of aftermarket AR-15-compatible trigger assemblies. The selector switch is also that of an AR-15. The barrel is free-floating and button-rifled, and headspace is adjusted using a Savage-type locking nut system. The barrel also comes in standard barrel and bull-barrel versions. The stock is scaled down from a standard Heckler & Koch MP-5 stock. The receiver is topped with a MIL-STD-1913 rail, and the handguard is a scaled-down FAL handguard, modified to be flat on the bottom. The bottom of the handguard is drilled and tapped for a variety of mounts or for mounting a bipod. No iron sights are provided.

Twilight 2000 Notes: This rifle does not exist in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
R-22 (Standard Barrel)	.22 Long Rifle	3.06 kg	5, 10, 20, 30	\$225
R-22 (Bull Barrel)	.22 Long Rifle	3.1 kg	5, 10, 20, 30	\$233
R-17 (Standard Barrel)	.17 Mach 2 Rimfire	3.34 kg	5, 10, 20, 30	\$286
R-17 (Standard Barrel)	.17 Mach 2 Rimfire	3.38 kg	5, 10, 20, 30	\$294

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
R-22 (Standard Barrel)	SA	1	Nil	4	1	Nil	34
R-22 (Bull Barrel)	SA	1	Nil	4	1	Nil	36
R-17 (Standard Barrel)	SA	2	1-Nil	4	1	Nil	36
R-17 (Bull Barrel)	SA	2	1-Nil	4	1	Nil	38

Robinson Arms Vepr K

Notes: This may be described as an "American Vepr," an American-made version of the Vepr sporting rifle originally built by Kalashnikov. Robinson Arms, upon acquiring their imported Vepr and Vepr 2 rifles, discovered they could not (in good conscience) reproduce the poor quality of those rifles and then offer them to the Western public under their name. They therefore set about to reproduce the design, using better materials and better quality standards, and completely replacing the sloppy wooden stocks with synthetic ones. They also designed reduced-capacity magazines to comply with US arms regulations. In addition, models sold in the US do not have muzzle brakes, but those for foreign markets do.

Twilight 2000 Notes: This weapon does not exist.

Weapon	Ammunition	Weight	Magazines	Price
Vepr K	5.45mm Kalashnikov	2.57 kg	10, 30, 40	\$514
Vepr K	5.56mm NATO	2.79 kg	10, 20, 30	\$565
Vepr K	7.62mm Kalashnikov	3.86 kg	10, 30, 40	\$809

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Vepr K (5.45mm)	SA	3	1-Nil	6	3	Nil	46
Vepr K (5.56mm)	SA	3	1-Nil	6	3	Nil	42
Vepr K (7.62mm)	SA	4	2-Nil	6	4	Nil	47

Rock River Arms A4-Varmint

Notes: This is an AR-15 variant designed for, as the name suggests, varmint hunting. Highly accurate for a semiautomatic varmint, the A4-Varmint is equipped with heavy match-grade barrels of 16-24 inches. The A4-Varmint is not equipped with iron sights, but does have a MIL-STD-1913 rail for the mounting of virtually any sort of sight or optic. The A4-Varmint also comes with an EOP (Elevated Optical Platform) to attach to the rail in order to mount large scopes properly. It has the standard AR-15-style fixed synthetic stock and a solid hard rubber grip. The weapon is chambered, and the twist of the rifling is designed, so that the A4-Varmint can fire .223 Remington civilian rounds and military 5.56mm NATO rounds with equal accuracy and reliability. (There is no distinction between the two rounds in game terms, but in real life, there is a difference between the two.) The handguard is an aluminum tube which is fluted to decrease weight and knurled to give a better gripping surface. The trigger is of a National Match two-stage pattern.

The A4 Predator Pursuit is an accurized version of the A4 Varmint. It uses a 20-inch heavy match-quality Wilson barrel which is free-floating, made from stainless steel, and air-gauged to help ensure that there are no imperfections; it uses a target crown at the muzzle. The chamber is a Wylde Chamber; this is a chamber designed to accommodate both civilian and military ammunition of several different loads and bullet weights, and also reduces the chance of misfeeds. The receiver is topped with a Weaver rail, and

the gas block also has a very short length of Weaver rail. The trigger group is a two-stage match-quality group. The pistol grip is a Hogue Rubber grip instead of a standard AR-15-type grip. The standard stock is an AR-15A2-type stock, but options include a skeletonized stock and a Magpul PRS stock. Other options include ambidextrous controls, an enlarged charging handle latch, and an EOP upper receiver.

Twilight 2000 Notes: This rifle does not exist in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
A4-Varmint (16" Barrel)	5.56mm NATO	3.63 kg	5, 9, 10, 20, 30	\$568
A4-Varmint (18" Barrel)	5.56mm NATO	4.08 kg	5, 9, 10, 20, 30	\$589
A4-Varmint (20" Barrel)	5.56mm NATO	4.31 kg	5, 9, 10, 20, 30	\$610
A4-Varmint (24" Barrel)	5.56mm NATO	4.54 kg	5, 9, 10, 20, 30	\$655
A4 Predator Pursuit	5.56mm NATO	3.67 kg	5, 9, 10, 20, 30	\$618

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
A4-Varmint (16")	SA	3	1-Nil	5	2	Nil	43
A4-Varmint (18")	SA	3	1-Nil	5	2	Nil	51
A4-Varmint (20")	SA	3	1-Nil	6	2	Nil	59
A4-Varmint (24")	SA	3	1-Nil	7	2	Nil	73
A4 Predator Pursuit	SA	3	1-Nil	6	2	Nil	60

Ruger 10/22

Notes: This is a popular sporting rifle in the US, Canada, and Europe. It was introduced in 1964, with a stock of American beech, but a version appeared in 1989 with a walnut stock (the 10/22R). It is drilled and tapped for a scope mount, which is normally furnished with the rifle. The 10/22 has been updated throughout the years, and accessory kits have been made by many dealers. It is possible to get synthetic stocks, folding stocks, pistol grip stocks, bullpup stocks, etc. There are rumors of it being used with a silencer by assassins, and it is definitely used with a silencer for game culling. There are whole books about modifying the 10/22, including making it into a fully-automatic version!

In 1966, a Sporter version appeared, this version is identical to the standard 10/22 for game purposes, but has a Monte Carlo stock and no barrel band on the fore-end. It was built until 1971, replaced by the Deluxe Sporter. Another version which appeared in 1966 is the 10/22RBI International; this version has a Mannlicher-style stock and fore-end which extends to the muzzle, but is also identical to the standard 10/22 for game purposes. At first, the International had a polished beech stock and came in stainless steel or blued versions, but in 1995, checkering was added to the pistol grip wrist and fore-end.

In 1992, a stainless steel weatherproof version was introduced; this version, the K-10/22RB, has a laminated beech stock. In 1997, a similar weapon, but with a black Zytel plastic stock, was introduced, called the K-10/22RP. Another similar model, the 10/22RP, was introduced in 1999; this also has a Zytel stock, but has blued metalwork. The K-10/22RB is identical to the standard 10/22 for game purposes; the two plastic-stocked versions are identical for game purposes.

In 1996, a target/varmint version was introduced; this version, the 10/22T, has a heavy match-quality cold-forged barrel and no iron sights. The barrel of this version is also longer at 20 inches (as opposed to the 18.5-inch barrel of most other versions). A stainless steel version followed in 1999 (the K-10/22T). Another version of the varmint/target, the K-10/22TNZ, has stainless steel metalwork, and the wooden stock is skeletonized with a true pistol grip. It weighs slightly less than the standard varmint/target version.

The Ruger 10/22 Magnum is a version of the 10/22 Carbine firing .22 Winchester Magnum Rimfire, introduced in 1999. It is basically similar to the 10/22 except for the changes necessary to chamber and fire .22 Winchester Magnum Rimfire, but these changes were quite great in order to keep the basic package similar in external appearance, and virtually the entire mechanism is different.

In 2005, a rifle version of the 10/22 was released by Ruger. The new hardwood stock is made for larger people, the buttplate is straight instead of curved, and there is no barrel band. The barrel is a full 20 inches, and the receiver is made from cast aluminum. The sights are changed to reflect the greater range. The Ruger 10/22 Rifle is equipped with a Weaver-style scope base.

Added to the Ruger line in 2006, the Ruger 10/22 Compact is a version of the 10/22 which is smaller and with a shorter barrel than even the 10/22 Carbine. There is no word as yet as whether there will be versions in stainless steel, with synthetic stocks, etc., but the basic version recently announced has hardwood stock designed with a shorter length of pull, making it suitable for adults as well as children. The buttstock is also of reduced width, and the fore-end is likewise narrower. The 10/22 Compact is equipped with iron sights that have high-visibility fiberoptic inlays, and it is also drilled and tapped for a Weaver-style scope mount or rings.

In 2009, The Model 10/22 Tactical Target was introduced. This version is sort of dressed up to look like a sort of faux tactical marksman's rifle, but those same attributes make it an excellent target rifle as well as very good for taking out varmints. The Tactical Target uses a Hogue synthetic stock and is equipped with a 16.125-inch extra-heavy profile barrel tipped with a target crown. Atop the receiver is a MIL-STD-1913 rail, and underneath the front of the handguard is a lightweight Harris-type bipod that is adjustable for cant and height. The working parts, especially the hammer, is designed for a fast lock time for quick follow-up shots. The barrel is attached by a V-block system that is secured by two screws, and can be quickly removed. (Whether a suppressed barrel is in the works is something I haven't been able to find out, but presumably easy barrel changes are the object of this type of barrel attachment.)

In 2011, the Ruger 10/22 Takedown was introduced. Essentially the same as a standard 10/22, the Takedown comes apart just ahead of the barrel nut and the handguard underneath it. It is synthetic stocked, with bight stainless steel for the external metalwork and barrel. Despite the breakdown ability, the 10/22 Takedown can be put back together and retain any zeroes of iron sights or telescopic sights. The barrel is 18.5 inches, and the receiver topped by a Weaver rail. Development of the rifle was difficult; engineers find it relatively easy to design a takedown rifle from scratch, but turning a solid rifle into a takedown rifle is rather difficult. Most of the differences in the 10/22 Takedown are changes in weight and buttons to break down the rifle.

In 2017, Ruger introduced a new version of the Takedown – the Silent-SR Takedown. Yes, for all you hunters of edgy varmints, it is what it sounds like, and more – the barrel of the Silent-SR is integrally suppressed. (And no, to you players who think their PCs are going to become undetectable snipers with their silent .22 Long Rifle-firing rifle – “silenced” weapons are *not*, and even an integrally-suppressed .22 will still generate 113 decibels in clear air, with average ammo.) The Integrally Suppressed Barrel, or ISB, for the Ruger 10/22 replaces the standard barrel of a Ruger 10/22. Though the full length of the barrel with suppressor is 16.12 inches, the rifled length of the barrel is only 10.62 inches. The shorter barrel length allows for a decent setup of baffles and heat and gas dispersion, and the barrel length with suppressor allows the Silent-SR to be legal in the US (where most sales are made) while only having to do the paperwork and pay the taxes for a suppressor and not a short-barreled suppressed weapon. The design, however, is advanced, and is constructed largely of stainless steel, wrapped with an aluminum sleeve that is highly heat-tolerant and underneath which is a composite fore-end that is made to match the rest of the furniture, despite that the fore-end is made from radically-different materials. (The sleeve is permanently attached to the suppressor; this minimizes weight and length.) The suppressor is also designed for maximum strength and serviceability, and can be used for thousands of shots before it begins to wear the suppressor to the point that the shots get louder. A single hex screw attaches the suppressor to the barrel stub, and the necessary wrench is supplied if bought from a reputable dealer. The same tool allows the suppressor cap to be removed and the baffle assembly with it. Otherwise,

for the most part, the Silent-SR is the same as the Takedown for game purposes.

Twilight 2000 Notes: The Ruger 10/22 Magnum, 10/22 Rifle, 10/22 Compact, the Silent-SR Takedown, and the versions with Zytel stocks, and the target/varmint versions are not available in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
Ruger 10/22 Carbine	.22 Long Rifle	2.27 kg	10	\$235
Ruger K-10/22 Carbine	.22 Long Rifle	2.14 kg	10	\$245
Ruger 10/22T Rifle	.22 Long Rifle	3.4 kg	10	\$260
Ruger K-10/22T Rifle	.22 Long Rifle	3.22 kg	10	\$270
Ruger K-10/22TNZ Rifle	.22 Long Rifle	3.2 kg	10	\$260
Ruger 10/22 Magnum	.22 Winchester Magnum Rimfire	2.95 kg	9	\$256
Ruger 10/22 Rifle	.22 Long Rifle	2.27 kg	10	\$251
Ruger 10/22 Compact	.22 Long Rifle	2.09 kg	10	\$215
Ruger 10/22 Tactical Target	.22 Long Rifle	3.12 kg	10	\$640
Ruger 10/22 Takedown	.22 Long Rifle	2.12 kg	10	\$246
Ruger Silent-SR	.22 Long Rifle	4.72 kg	10	\$209

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Ruger 10/22 Carbine	SA	1	Nil	5	1	Nil	38
Ruger K-10/22 Carbine	SA	1	Nil	5	1	Nil	38
Ruger 10/22T Rifle	SA	1	Nil	5	1	Nil	43
Ruger K-10/22T Rifle	SA	1	Nil	5	1	Nil	43
Ruger K-10/22TNZ Rifle	SA	1	Nil	5	1	Nil	43
Ruger 10/22 Magnum	SA	1	Nil	5	1	Nil	47
Ruger 10/22 Rifle	SA	1	Nil	5	1	Nil	41
Ruger 10/22 Compact	SA	1	Nil	4	1	Nil	34
Ruger 10/22 Tactical Target	SA	1	Nil	4	1	Nil	36
With Bipod	SA	1	Nil	4	1	Nil	46
Ruger 10/22 Takedown	SA	1	Nil	5*	1	Nil	38
Ruger Silent-SR	SA	-1	Nil	5*	1	Nil	17

*The 10/22 Takedown can be reduced to a package with a Bulk of 3, but it cannot be fired in this state.

Ruger M-44 Deerfield

Notes: The M-44 carbine, also known as the M-99-R, was introduced in 1959 as essentially a scaled up version of the 10/22. Modifications were fairly heavy, primarily to accommodate the larger round, and mostly revolving around the locked-breech action required to fire the much more powerful round. The original M-44 used simple open sights in addition to being drilled and tapped for a telescopic sight. The stock was of birch and used a semi-pistol grip and a half-length fore-end (a "half-stock"). In 1962, Ruger added the name "Deerstalker" to the M-44, but as Ithaca also began selling a modified shotgun with the same name, Ruger changed the name of the M-44 to the Deerfield after a short patent fight. The Deerfield is otherwise largely made of steel and works by gas operation. The barrel is 18.5 inches, and feed is from a tubular magazine inside the fore-end. (The M-44 is *not* able to chamber .44 Special rounds.) In 1962, the rear sight was also changed to a folding leaf sight.

Various special editions and deluxe models were also built, with enhancements ranging from gold-plated triggers and trigger guards, barrel bands, etc. to full special editions such as the much engraved "Anniversary Model" of 1985. Some other notable special editions include the M-44 Deluxe Sporter (also known as the M-44-DSP) built from 1963-71, which had a Monte Carlo-type cheekpiece as well as sling swivels on the stock. The M-44 Sporter (M-44-RS) of 1961-78 was essentially the same, but used a simple aperture sight (which was adjustable). Built in very small numbers from 1964-71, the M-44 International (also called the M-44-X and M-44-RS1) used a full-length Mannlicher-type stock. All of these special models are identical to the standard M-44 for game purposes.

Production of the original M-44 Deerfield stopped in 1985, but it began again in 2000, under the designation of the M-99/44 (or simply M-9944) Deerfield. It is essentially a modernized version of the M-44; the most noticeable change is the stock. This stock is still a semi-pistol grip half-stock which is made from conventional hardwood but finished to look like fine, weatherproofed walnut; it also has a synthetic instead of a hard rubber or metal buttplate. Also immediately noticeable is a synthetic heat shield on the right side of the fore-end. The sling swivels have been replaced by quick-release versions, and the front sling-swivel mount can also take a limited amount of light bipods. The rear sight is a folding aperture sight with more adjustability than the original M-44, and the front sight is a protected gold bead. The drilling and tapping can take a greater variety of scope mounts and rings, though they are specifically designed to fit Ruger's own line of mounts and rings the best. (The M-99/44 is even sold with Ruger scope rings, which can take most civilian scopes sold today.) Internally, the safety has been changed to shotgun-style crossbolt safety, and feed is from a removable rotary magazine instead of a tubular magazine. Production of the M-99/44 stopped again in 2005, but started again in 2007.

Twilight 2000 Notes: The M-99/44 does not exist in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
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M-44 Deerfield	.44 Magnum	2.84 kg	4 Tubular	\$429
M-99/44 Deerfield	.44 Magnum	2.61 kg	4	\$422

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
M-44 Deerfield	SA	4	1-2-Nil	5	3	Nil	62
M-99/44 Deerfield	SA	4	1-2-Nil	5	3	Nil	62

Ruger Mini-14 Target Rifle

Notes: Due to be introduced in 2006, the Mini-14 Target version is, as the name suggests, a highly-modified version of the Mini-14 assault rifle designed for target shooting and precision hunting. The Target version has a new stock black-laminated hardwood, with a unique shape including a cheek swell, deep pistol grip wrist, a grip for the non-firing hand, and a thick non-slip rubber recoil pad. The barrel is of stainless steel and is longer and heavier than the standard Mini-14 barrel; it is a bull barrel 22 inches long. At the muzzle one may attach removable counterweights of varying sizes, attached with Allen screws. There is no flash suppressor or muzzle brake, but the muzzle is target crowned. The receiver is also of stainless steel, and the weapon has no iron sights, instead having Ruger's integral scope mount.

Twilight 2000 Notes: This rifle does not exist in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
Mini-14 Target	5.56mm NATO	4.26 kg	5	\$696

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Mini-14 Target	SA	3	1-Nil	6	2	Nil	67

Ruger PC-4/9

Notes: These carbines are designed for use as self-defense weapons by campers and other casual users, normally against wildlife. They are small carbines using pistol caliber cartridges, and in fact may use the same magazines as Ruger P-series pistols. They have a manual safety and several passive safeties and will not fire if dropped or bumped accidentally.

There are several variations of the PC-9. The Model 19122 has an adjustable stock (looks like a Magpul design) a synthetic chassis (glass-filled polymer), with an aluminum handguard that has M-LOK grooves at 1, 3, 6, and 9 o'clock, and allows for a free-floating barrel. The barrel itself is 16.12 inches long, is fluted, and the muzzle is threaded to allow the use of a flash suppressor, muzzle brake, or suppressor, or a cap may be mounted to protect the threads when not using them. The Model 19122 is also fitted with a receiver-length Picatinny Rail. The handguard is finished with Type III hard-coat anodization. The use of interchangeable magazine wells allow the use of any Ruger or Glock pistol magazine. The magazine well is fluted to aid in loading. The weapon features a custom tungsten dead blow weight that shortens bolt travel, and also reduces recoil. The controls are reversible for left-handed shooters. There are also several versions which comply with more restrictive jurisdictions; most can take only 10-round magazines, some do not have threaded barrels, some have fixed stocks.

The standard version, the Model 19100, has black synthetic furniture with a standard-type stock, a butt with a recoil pad. Spacers may be used to extend the length up to 3.8 centimeters. A 16.12-inch barrel which is threaded at the muzzle and is fluted equips the rifle. A rear ghost ring sight and a protected blade front sight; the sights are in the Scout position. Atop the receiver is a Picatinny Rail; another (very) short section of rail is under the handguard at the end. Model 19100s may be taken down for storage easily, separating at the barrel and fore-end. Other details are as the Model 19122. Again, there are several versions for more restrictive jurisdictions. The PC-4 Model 19109 is the same rifle, but chambered in .40, and of course there are several versions for more restrictive jurisdictions.

The PC-9 Model 19115 is sort of a cross between the Model 19122 and Model 19100; it has the basic form of the Model 19100, but has the handguards of the Model 19122. Again, there are several versions for more restrictive jurisdictions.

There are several special versions of the PC-9, sold only by certain manufacturers around the country or by Ruger's Specialty shop. These have most of the technical features of the versions above, but most do not have versions designed for restrictive jurisdictions.

The PC-9 Model 19121 is a special version of the Model 19115 which is overprinted with what Ruger calls American Flag Camo. There is a special version for restrictive jurisdiction, with a non-threaded barrel and a maximum magazine capacity of ten.

The PC-9 Model 19107 is a Sports South Distributor exclusive; it is a Model 19100 overprinted with Green Digital Camo on its synthetic surface. It is otherwise the same as the Model 19100. Lipsey's Distributor has a similar exclusive version, which differs only in its OD Green color. A Davidson's Distributor exclusive version is also the same, except that its receiver and barrel is Davidson's Dark Earth while the rest of the rifle, including the sights, muzzle threads and cap, and Picatinny Rail. A Bill Hicks Distributor exclusive is also similar to the Model 19100, but the Synthetic furniture is overprinted in a pattern called Badlands Approach Camo Synthetic.

Another Sports South Distributor exclusive PC-9 Model is the Model 19131; this version has a Magpul PC Backpacker stock which has a lightening cut in the stock, a storage compartment in the grip, and a recessed space in the stock for a spare magazine of up to 17 rounds. The color of the synthetic part of the rifle is Olive Drab Magpul. Davidson's Distributor has a similar exclusive version; the primary difference is that its synthetic material is in a color called Davidson's Dark Earth.

Twilight 2000 Notes: This weapon does not exist.

Merc 2000 Notes: This is a popular weapon in Central and South America as well as the US and Canada; in fact, it has even been found in the possession of Yanamamo natives deep in the Amazon basin.

Weapon	Ammunition	Weight	Magazines	Price
PC-4 Model 19109	.40 Smith & Wesson	2.99 kg	10, 11, 15	\$400
PC-9 Model 19122	9mm Parabellum	3.31 kg	10, 15, 17, 33	\$387
PC-9 Model 19100	9mm Parabellum	3.08 kg	10, 15, 17, 33	\$362
PC-9 Model 19115	9mm Parabellum	3.18 kg	10, 15, 17, 33	\$374
PC-9 Model 19131	9mm Parabellum	2.81 kg	10, 15, 17, 33	\$352

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
PC-4 Model 19109	SA	2	1-Nil	5	2	Nil	46
PC-9 Model 19122	SA	2	1-Nil	3/5	1	Nil	37
PC-9 Model 19100	SA	2	1-Nil	5	1	Nil	36
PC-9 Model 19115	SA	2	1-Nil	5	1	Nil	37
PC-9 Model 19131	SA	2	1-Nil	5	1	Nil	36

Ruger SR-556

Notes: Introduced in late 2009, the SR-556 is basically an AR done better – more refined and more reliable. Chief among the improvements is the rifle's operation; the SR-556 uses a short-tappet gas piston system rather than the Stoner direct gas impingement system, which greatly reduces fouling and the stoppages fouling causes. The SR-556 is designed for use by police and civilians, and is now sold as a semiautomatic rifle, with no plans for any sort of future automatic version; Ruger has in fact made sure that conversion to automatic fire is difficult if not impossible. The barrel is a strong Chrome-Moly Vanadium steel alloy barrel and has a tight twist rate of 1:9. The 16.12-inch barrel is tipped with a birdcage-type flash suppressor which is Ruger-designed, and differs greatly in appearance from the standard A2 flash suppressor. The handguards are made by Troy and are pinned to the upper receiver; the barrel is essentially free-floating. The handguards have 4-point MIL-STD-1913 rails, and the upper receiver also has a monolithic (the rail is integral with the upper receiver) MIL-STD-1913 rail. The SR-556 comes with flip up iron sights that attach to the MIL-STD-1913 rails, with the front sight being a post inside of "rabbit ears" like those of an AK. The rear sight, also made by Troy, is on an elevating post and is adjustable in a manner similar to that of an AR-15A2.

The gas piston system has a gas regulator with four positions, and thus operation can be adjusted depending upon the ammunition being used and the cleanliness of the rifle at the time. The operating rod and its piston are not designed to be disassembled by the user, and Ruger says that no such maintenance is necessary. The bolt carrier group is made in one piece and is chrome-plated for reliability. The bolt carrier group also has a number of features to further increase reliability, such as a flared rear, a turned-down gas key area, and a rubber O-ring around the extractor spring (something I would love, since the number one problem I have experienced with the AR is extraction failure). Trigger action is regarded as unusually smooth and crisp, though it is a standard AR-type trigger group; this is probably due to factory tuning. Two versions of the SR-556 are currently available: one with a fixed stock, and one with an M-4-type collapsible stock.

Ruger has also introduced a rimfire version of the SR-556; while it largely uses the same parts and part of the action of the SR-556 (suitably-modified for the new cartridge), the action is in fact an adaptation of the action of the Ruger 10/22. This means that while Ruger sells standard magazines for the SR-22, any magazine, even aftermarket ones, that fit into a Ruger 10/22 will fit into an SR-22. The outer part of the receivers (upper and lower) appear a bit more blocky than the SR-556, and the MIL-STD-1913 rail above the receiver is a little longer as it extends to the rear a bit more (made possible by the lack of a need for the AR-type charging handle at the rear of the receiver. The charging lever is on the right side with the ejection port. The SR-22 comes standard with an M-4-type sliding stock, though there is no recoil buffer in it. The pistol grip is a Hogue rubber ergonomic grip. The handguards are round, aluminum, and ventilated with rows of holes at the 2 o'clock, 4-o'clock, 8 o'clock, and 10 o'clock positions. The 16.123-inch barrel is tipped with a standard AR-type flash suppressor, the same as used on the SR-556 and Mini-14.

Weapon	Ammunition	Weight	Magazines	Price
SR-556 (Fixed Stock)	5.56mm NATO	3.6 kg	10, 20, 30	\$576
SR-556 (Folding Stock)	5.56mm NATO	3.6 kg	10, 20, 30	\$596
SR-22	.22 Long Rifle	2.95 kg	10	\$245

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
SR-556 (Fixed Stock)	SA	3	1-Nil	6	2	Nil	42
SR-556 (Folding Stock)	SA	3	1-Nil	4/6	2	Nil	42
SR-22	SA	1	Nil	4/6	1	Nil	33

Savage 6

Notes: This is a series of rifles that had a very long production run; the original Model 6 was produced in 1938, and the Model 987-T was last produced in 1989. The original Model 6 was a very simple yet elegant rifle; the lines of the rifle are flowing and rounded. Variants of note include the Model 7, with a box magazine instead of a tube; the Model 60, which is a modernized Model 6, which is a short rifle having only a 20-inch barrel; and the Model 90, a carbine version with a very short 16.5" barrel. Others (identical to these four for game purposes) include the Models 6S and 7S, variants of the Model 6 and 7 with different sights; the Model 80, a variant of the Model 60 with different sights and checkering; the Model 88, a variant of the Model 60 with a plain stock and different sights; and the Model 987-T, a modernized Model 60 produced to be marketed under the Stevens name.

Weapon	Ammunition	Weight	Magazines	Price
Savage 6	.22 Long Rifle	2.72 kg	15 Tubular	\$296
Savage 7	.22 Long Rifle	2.69 kg	5	\$296
Savage 60	.22 Long Rifle	2.47 kg	15 Tubular	\$251
Savage 90	.22 Long Rifle	2.35 kg	10 Tubular	\$215

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Savage 6	SA	1	Nil	6	1	Nil	48
Savage 7	SA	1	Nil	6	1	Nil	48
Savage 60	SA	1	Nil	5	1	Nil	41
Savage 90	SA	1	Nil	4	1	Nil	34

Savage 1912

Notes: This rifle, never made in large numbers, was one of the first semiautomatic rifles made in North America. It is a modification of the Savage pump-action models of the time.

Weapon	Ammunition	Weight	Magazines	Price
Savage 1912	.22 Long Rifle	2.04 kg	7	\$255

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Savage 1912	SA	1	Nil	5	1	Nil	41

Thompson/Center R-55

Notes: Chambered for the new .17 Mach 2 Rimfire cartridge, the R-55 is based upon existing Thompson/Center .22 Long Rifle semiautomatic offerings. It is basically a varmint and plinking rifle, but not designed for beginning shooters or children; it is basically too large (though not heavy) a rifle for that. The R-55 has adjustable front and rear sights with fiberoptic inlays, as well as drilling and tapping for a scope mount. The R-55 is very finicky about ammunition; Thompson/Center recommends the shooter use only Hornady or CCI-made ammunition, and handloads are definitely not recommended. The trigger is of medium weight, with just a hint of creep. The stock is of laminated hardwood, with a cheekpiece; it can also be had with a composite stock. Changes from its .22 predecessor include a bolt hold-open, and a trap in the butt which will hold one magazine.

Twilight 2000 Notes: This rifle does not exist in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
R-55 (Wood Stock)	.17 Mach 2 Rimfire	2.49 kg	5, 10	\$311
R-55 (Composite Stock)	.17 Mach 2 Rimfire	2.37 kg	5, 10	\$321

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
R-55 (Wood Stock)	SA	2	1-Nil	5	1	Nil	45
R-55 (Composite Stock)	SA	2	1-Nil	5	2	Nil	45

Thompson/Center TC-22

Notes: These three related rifles are modern weapons, but designed to be reminiscent of the way semiautomatic rimfire weapons used to be built in the middle part of the 20th century. They use a premium-quality American walnut stock (except for the Silver Lynx, which uses a black synthetic stock), with all-steel metalwork and built with the quality that is the standard for Thompson/Center weapons. The TC-22 Classic has a full-length deluxe walnut Monte Carlo stock, a blued receiver and 22-inch match-grade barrel. The rear sight is adjustable, and the front sight is a ramp with a fiberoptic inlay; the Classic is also drilled and tapped to accept a Weaver-style scope base or standard scope rings. The Classic is clip-fed, but the clip may be easily slid in and out to facilitate reloading and topping off of the clip. (This clip is loaded from the bottom of the rifle instead of the top.)

The TC-22 Classic Benchmark is a modification of the Classic; it uses an 18-inch heavy match-quality barrel with a target crown and a stock with a high cheek rest which is made from laminated hardwood. It is magazine-fed rather than clip-fed. It has no iron sights, but is drilled and tapped in the same way as the Classic.

The Silver Lynx is the newest version of this rifle; it uses a black stock made from composites, and stainless steel metalwork. It

uses a 20-inch match grade barrel with a target crown. The rear sights are adjustable and have fiberoptic inlays, and the front sight is a ramp also with a fiberoptic inlay. It is also magazine-fed, and the receiver is drilled and tapped in the same manner as other rifles of this series.

Twilight 2000 Notes: These rifles do not exist in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
TC-22 Classic	.22 Long Rifle	2.49 kg	5 Clip, 10 Clip	\$279
TC-22 Classic Benchmark	.22 Long Rifle	3.08 kg	10	\$239
Silver Lynx	.22 Long Rifle	2.49 kg	5	\$269

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
TC-22 Classic	SA	1	Nil	5	1	Nil	46
TC-22 Classic Benchmark	SA	1	Nil	5	1	Nil	39
Silver Lynx	SA	1	Nil	5	1	Nil	43

Valkyrie Arms M-3A1 Carbine

Notes: This is a copy of the M-3A1 Grease Gun submachinegun, modified to suit it to civilian sales. Of course, the biggest modification is the conversion to a weapon capable only of semiautomatic fire. The barrel length was changed so that it is 16.25 inches long (412.75mm). The weapon can take 30-round magazines, but are normally sold with 10-round magazines that only look like 30-round one, but have a block in them. The M-3A1 Carbine is also supplied with a blocked standard length barrel for display purposes.

Weapon	Ammunition	Weight	Magazines	Price
M-3A1 Carbine	.45 ACP	3.62 kg	10, 30	\$543

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
M-3A1 Carbine	SA	2	2-Nil	5/6	2	Nil	38

Volquartsen Custom Evolution

Notes: Volquartsen began in the 1970s as a company producing accurized and custom versions of already-existing weapons, most notably rimfire pistols and rifles. However in 1993, they began designing their own rimfire rifles, and later centerfire weapons. The first of these is the Evolution; this weapon was introduced at the SHOT Show in 2006, but sales did not begin until January 2007, and even they admit they are having problems keeping up with the enormous demand for the Evolution.

Like most Volquartsen rifles, the Evolution has a distinctive look about it. The stock is of fine walnut with a radical shape on the buttstock – for the most part, it dips rather low, and has a deep pistol grip wrist, but it also has a high cheekpiece to make scope use easier. A laminated stock or a McMillan composite stock are optional. Metalwork is almost entirely of gleaming stainless steel. The receiver is topped by a MIL-STD-1913 rail (though a Weaver rail is an option), and there are no iron sights provided. The Evolution uses gas operation, using a short-stroke gas piston system similar to that of the M-1 Carbine. The rotating bolt is similar to that of an AR-15. There are no stamped or cast parts; every metal part is machined or cut by a wire EDM. The barrel is a Lothar Walther button-rifled medium-heavy barrel 20 inches long. The trigger group is fairly standard, except for its low 2 pounds of pull weight and exceptionally smooth operation. The Evolution is capable of digesting virtually any sort of ammunition of the appropriate caliber, including heavy and light bullets, hotloads, and other wildcat versions of its chamberings.

Two calibers are available, both with 20-inch barrels. The .204 Ruger chambering feeds from a 10-round box magazine; the 5.56mm NATO/.223 Remington chambering can feed from any magazine which will fit into an M-16/AR-15. Both also have alternate barrels available – the 5.56mm version has a 21.5-inch ported barrel available, while the .204 version has a 24-inch barrel available.

Twilight 2000 Notes: The Evolution does not exist in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
Evolution (Wood Stock, 20" Barrel)	.204 Ruger	4.4 kg	10	\$547
Evolution (Synthetic Stock, 20" Barrel)	.204 Ruger	4.04 kg	10	\$558
Evolution (Wood Stock, 24" Barrel)	.204 Ruger	4.61 kg	10	\$606
Evolution (Synthetic Stock, 24" Barrel)	.204 Ruger	4.23 kg	10	\$624
Evolution (Wood Stock)	5.56mm NATO	4.48 kg	5, 10, 20, 30	\$599
Evolution (Synthetic Stock)	5.56mm NATO	4.11 kg	5, 10, 20, 30	\$610
Evolution (Wood Stock, 21.5", Ported)	5.56mm NATO	4.54 kg	5, 10, 20, 30	\$640
Evolution (Synthetic Stock, 21.5", Ported)	5.56mm NATO	4.17 kg	5, 10, 20, 30	\$652

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Evolution (.204, 20")	SA	3	1-Nil	6	2	Nil	50
Evolution (.204, 24")	SA	3	1-Nil	7	2	Nil	70
Evolution (5.56mm, 20")	SA	3	1-Nil	6	2	Nil	57
Evolution (5.56mm, Ported)	SA	3	1-Nil	6	2	Nil	64

Volquartsen Custom Deluxe Semiauto Rimfire

Notes: The Deluxe Semiauto Rimfire is a *heavy* modification of the Ruger 10/22 (most of Volquartsen Custom's firearms are modifications of other weapons, particularly Ruger firearms). The result of these modifications basically turns the Ruger 10/22 from a plinker and varmint rifle into a precision rifle, equally at home plinking, hunting, or even in competition.

The modifications include the stock/furniture, which are replaced by one of several Monte Carlo-pattern stocks. (The wood grain on the wood stocks are especially beautiful.) These stocks may be brown walnut, gray ash, Hogue synthetic, McMillan Sporter synthetic, or McMillan Thumbhole-type synthetic. (Other than the McMillan Thumbhole, the stocks use semi-pistol grips.) The receiver housing is replaced with CNC stainless steel, machined and then hand-finished. The receiver is topped with a Weaver rail. The chamber is replaced with a match chamber, and the barrel is replaced with a 18.5-inch bull barrel tipped with a muzzle compensator that has 32 holes. The compensator is threaded and may be removed and replaced with other compatible muzzle devices. The barrel is fluted, primarily to reduce weight, but also to increase longitudinal stiffness. The Deluxe Semiauto Rimfire can accept both standard Ruger 10/22 magazines or the rotary magazines of the Ruger 77/22.

A lighter version is also available, with a 16.5-inch barrel. It is otherwise identical to the "standard" Deluxe Semiauto Rimfire.

Weapon	Ammunition	Weight	Magazines	Price
Deluxe Semiauto Rimfire (18.5", Wood Stock)	.17 Mach 2 Rimfire	2.13 kg	5, 10	\$287
Deluxe Semiauto Rimfire (16.5", Wood Stock)	.17 Mach 2 Rimfire	2.07 kg	5, 10	\$265
Deluxe Semiauto Rimfire (18.5", Synthetic Stock)	.17 Mach 2 Rimfire	1.98 kg	5, 10	\$297
Deluxe Semiauto Rimfire (16.5", Synthetic Stock)	.17 Mach 2 Rimfire	1.92 kg	5, 10	\$276
Deluxe Semiauto Rimfire (18.5", Wood Stock)	.17 Hornady Magnum Rimfire	2.14 kg	5, 9	\$295
Deluxe Semiauto Rimfire (16.5", Wood Stock)	.17 Hornady Magnum Rimfire	2.08 kg	5, 9	\$274
Deluxe Semiauto Rimfire (18.5", Synthetic Stock)	.17 Hornady Magnum Rimfire	1.99 kg	5, 9	\$305
Deluxe Semiauto Rimfire (16.5", Synthetic Stock)	.17 Hornady Magnum Rimfire	1.93 kg	5, 9	\$284
Deluxe Semiauto Rimfire (18.5", Wood Stock)	.22 Long Rifle	2.15 kg	5, 10	\$294
Deluxe Semiauto Rimfire (16.5", Wood Stock)	.22 Long Rifle	2.09 kg	5, 10	\$273
Deluxe Semiauto Rimfire (18.5", Synthetic Stock)	.22 Long Rifle	2 kg	5, 10	\$305
Deluxe Semiauto Rimfire (16.5", Synthetic Stock)	.22 Long Rifle	1.94 kg	5, 10	\$283
Deluxe Semiauto Rimfire (18.5", Wood Stock)	.22 Winchester Magnum Rimfire	2.21 kg	5, 9	\$315
Deluxe Semiauto Rimfire (16.5", Wood Stock)	.22 Winchester Magnum Rimfire	2.15 kg	5, 9	\$294
Deluxe Semiauto Rimfire (18.5", Synthetic Stock)	.22 Winchester Magnum Rimfire	2.06 kg	5, 9	\$326
Deluxe Semiauto Rimfire (16.5", Synthetic Stock)	.22 Winchester Magnum Rimfire	2 kg	5, 9	\$304

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Deluxe Semiauto Rimfire (18.5", .17 Mach 2)	SA	2	1-Nil	5	1	Nil	44
Deluxe Semiauto Rimfire (16.5", .17 Mach 2)	SA	2	1-Nil	5	1	Nil	38
Deluxe Semiauto Rimfire (18.5", .17 Hornady)	SA	2	1-Nil	5	1	Nil	50
Deluxe Semiauto Rimfire (16.5", .17 Hornady)	SA	2	1-Nil	5	1	Nil	44
Deluxe Semiauto Rimfire (18.5", .22 LR)	SA	1	Nil	5	1	Nil	40
Deluxe Semiauto Rimfire (16.5", .22 LR)	SA	1	Nil	5	1	Nil	36
Deluxe Semiauto Rimfire (18.5", .22 Magnum)	SA	1	Nil	5	1	Nil	50
Deluxe Semiauto Rimfire (16.5", .22 Magnum)	SA	1	Nil	5	1	Nil	44

Weatherby Mk XXII Deluxe

Notes: This is a vastly scaled-down semiautomatic version of the .460 Magnum. It is grooved for a scope mount, but has no iron sights, and has a rubber butt plate designed primarily to prevent slipping rather than being any sort of padding. The Mk XXII comes in two versions, one within an internal tubular magazine and a magazine-fed version. The Mk XXII was of such quality that the real-life price was quite high, leading to limited sales. The Mk XXII was originally built for Weatherby by Beretta starting in 1964, but production switched to Howa in Japan in 1969, and then to new Weatherby facilities in the US in 1982. Production ceased in 1989.

In 2008, the Mk XXII came back – sort of. The new Mk XXII is a bolt-action rifle, which makes it more akin to its Weatherby .460 predecessor. The action is built by Anschütz (it is, in fact, the Anschütz Model 64 action), but the stock is of American select walnut and the rifle is sold only by Weatherby. Finish is polished blue, and the stock has a Schnabel fore-end. The stock has fine checkering at the pistol grip wrist and on the fore-end, and hand-cut. The new Mk XXII comes only in a magazine-fed version, and the 23-inch barrel is an inch shorter than the original Mk XXII. The new Mk XXII otherwise has design features similar to those of the original Mk XXII.

Weapon	Ammunition	Weight	Magazines	Price
Mk XXII Deluxe	.22 Long Rifle	2.72 kg	10	\$291
Mk XXII Deluxe	.22 Long Rifle	2.72 kg	15 Tubular	\$292
Mk XXII (New)	.22 Long Rifle	2.95 kg	5, 10	\$294
Mk XXII (New)	.17 Hornady Magnum Rimfire	2.95 kg	5, 10	\$295

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Mk XXII Deluxe	SA	1	Nil	6	1	Nil	48
Mk XXII (New, .22)	BA	1	Nil	7	1	Nil	51
Mk XXII (New, .17)	BA	2	1-Nil	7	1	Nil	80

Wilkinson Terry

Notes: Big Brother to the Linda assault pistol, the Terry is a basically a carbine version of that weapon (or more accurately, the Linda is a pistol version of the Terry). Like the Linda, the Terry was banned first in California and then by the Brady Gun Bill due to its large magazine capacity, and production has never resumed. It uses the same basic body as the Linda, and is also reputedly easy to convert to automatic fire. The sights are the same as the Linda: an adjustable rear sight and an adjustable post front sight, both protected by large dog-ears. The stock and fore-end are of maple, and the pistol grip is of PVC plastic. The 16.2-inch barrel is usually tipped with a conical flash suppressor. Dovetailed into the receiver of the Terry is a scope base which can accept most sorts of scopes or optics.

Some parts of the Linda may be interchanged with the Terry, most notably the barrel. In addition, the stock may be removed. This leads to some interesting, and in some cases, illegal (to US laws) combinations, such as the Terry with the Linda's short barrel, the Terry without a stock, and the Terry with the Linda's short barrel with a stock. The GM should take note of the legal implications of players using some of these combinations in games where it is applicable.

The Terry's design is quite evolved, but does have some shortcomings and quirks. The magazine release and the crossbolt safety are located one above each other on the left side and are the same size, so those who are unfamiliar with the Linda may accidentally release the magazine when they intended to put it on safety, or vice versa. Field stripping is extremely complicated and requires tools; a full armorer disassembly is even more difficult. Reassembly can also be difficult, because some parts look at first glance the same and can be confused. The Terry has trouble digesting ammunition with thin-walled brass, and also tends to jam when firing hollow-point ammunition.

Weapon	Ammunition	Weight	Magazines	Price
Terry	9mm Parabellum	3.22 kg	31	\$380
(No Stock)	9mm Parabellum	2.82 kg	31	\$360
(Linda Barrel with Stock)	9mm Parabellum	2.46 kg	31	\$301
(Linda Barrel, No Stock)	9mm Parabellum	2.99 kg	31	\$281

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Terry	SA	2	2-Nil	5	1	Nil	36
(No Stock)	SA	2	2-Nil	3	1	Nil	33
(Linda Barrel with Stock)	SA	2	Nil	3	1	Nil	24
(Linda Barrel, No Stock)	SA	2	Nil	2	1	Nil	22

Wilson Combat AR-9

Designed as a recreational rifle, the AR-9 is a 9mm carbine fed by most pistol magazines. It has a secondary role of home defense, and is so topped by receiver/handguard MIL-STD-1913 rails and folding BUIS-type sights. The lower receiver dictates what kind of magazines the AR-9 will take; there is a lower for Glock, Beretta, and Smith & Wesson M&P magazines. Operation is by closed-bolt blowback. The stock is a Wilson/Rogers Super-Stoc sliding stock; it is designed for an AR, but the tube on the AR-9 is removable and is an add-on to fit the stock. The control set is all AR, and the pistol grip is a BCM Gunfighter Grip. The trigger is a Wilson Combat TTU, and is a two-stage trigger. Upper and lower receivers are 7075-T6 anodized aluminum, with an Armor-Tuff Finish overall. The barrel is 14.7-inch heavy fluted or 16-inch heavy fluted or unfluted, and the barrel is match-quality. The barrel and bolt are proprietary, made especially for this rifle.

Weapon	Ammunition	Weight	Magazines	Price
AR-9 (14.7" Barrel, Glock Magazines)	9mm Parabellum	2.75 kg	12, 15, 17, 19, 31, 33	\$294
AR-9 (14.7" Barrel, Beretta Magazines)	9mm Parabellum	2.75 kg	8, 10, 11, 12, 13, 15, 17, 20	\$294
AR-9 (14.7" Barrel, M&P-9 Magazines)	9mm Parabellum	2.75 kg	6, 7, 8, 10, 12, 14, 16, 17, 23	\$294
AR-9 (16" Barrel, Glock Magazines)	9mm Parabellum	2.83 kg	12, 15, 17, 19, 31, 33	\$308
AR-9 (16" Barrel, Beretta Magazines)	9mm Parabellum	2.83 kg	8, 10, 11, 12, 13, 15, 17, 20	\$308
AR-9 (16" Barrel, M&P-9 Magazines)	9mm Parabellum	2.83 kg	6, 7, 8, 10, 12, 14, 16, 17, 23	\$308

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
AR-9 (14.7" Barrel)	SA	2	Nil	3/5	1	Nil	34
AR-9 (16" Barrel)	SA	2	Nil	3/5	1	Nil	37

Wilson Combat Tactical Hunter

Notes: Designed specifically for use against hogs (that's why the round is called the HAM'r). Most are based on the AR-15 platform; another reason the HAM'r was designed is so that AR-15-based rifles could use the lighter AR-15 platform instead of moving up to the heavier AR-10-based chassis.

As shipped, the Tactical Hunter is topped with a Trijicon AccuPoint 3-9x scope. This is mated to a full-length top Picatinny Rail. The 18 or 20-inch barrels are match-grade and button-rifled, and is target-crowned and fluted. The handguards are six-sided and feature MLOK slots (the top having a Picatinny Rail affixed to them). The gas block is by SLR Rifleworks and is adjustable. The Tactical Hunter uses a Rogers/Wilson Super Stoc, which is adjustable to six positions. The trigger is a match-quality Wilson Combat TTU.M2. The entire rifle is coated with Armor-Tuff finish, over anodized receivers, with many colors and designs available.

The 7.62mm version is for the most part the same, but is limited to an 18-inch barrel and based on an AR-10 chassis. The heavier chamberings use an AR-10 base.

Weapon	Ammunition	Weight	Magazines	Price
Tactical Hunter (18" Barrel)	.22 Nosler	3.49 kg	20	\$810
Tactical Hunter (20" Barrel)	.22 Nosler	3.61 kg	20	\$830
Tactical Hunter (20" Barrel)	6mm Creedmoor	3.61 kg	20	\$935
Tactical Hunter (18" Barrel)	6.5mm Creedmoor	3.49 kg	20	\$1002
Tactical Hunter (20" Barrel)	6.5mm Creedmoor	3.61 kg	20	\$1024
Tactical Hunter (20" Barrel)	.260 Remington	3.61 kg	20	\$1191
Tactical Hunter (18" Barrel)	7mm-08 Remington	3.49 kg	20	\$1148
Tactical Hunter (18" Barrel)	.300 HAM'r	3.49 kg	20	\$992
Tactical Hunter (20" Barrel)	.300 HAM'r	3.61 kg	20	\$1014
Tactical Hunter (18" Barrel)	7.62mm NATO	5.61 kg	20	\$1237
Tactical Hunter (18" Barrel)	.338 Federal	5.61 kg	20	\$1420
Tactical Hunter (18" Barrel)	.458 HAM'r	5.61 kg	20	\$2318

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Tactical Hunter (.22, 18" Barrel)	SA	3	1-1-Nil	4/6	2	Nil	59
Tactical Hunter (.22, 20" Barrel)	SA	3	1-1-Nil	5/6	2	Nil	69
Tactical Hunter (6mm, 20" Barrel)	SA	3	1-2-Nil	5/6	3	Nil	57
Tactical Hunter (6.5mm, 18" Barrel)	SA	4	1-2-Nil	5/6	3	Nil	53
Tactical Hunter (6.5mm, 20" Barrel)	SA	4	1-2-Nil	5/6	4	Nil	62
Tactical Hunter (.260, 20" Barrel)	SA	4	1-2-Nil	5/6	4	Nil	57
Tactical Hunter (7mm-08, 18" Barrel)	SA	4	2-3-Nil	5/6	4	Nil	63
Tactical Hunter (.300, 18" Barrel)	SA	4	2-Nil	5/6	4	Nil	53
Tactical Hunter (.300, 20" Barrel)	SA	4	2-Nil	5/6	4	Nil	60
Tactical Hunter (7.62mm, 18" Barrel)	SA	4	2-3-Nil	5/6	3	Nil	55
Tactical Hunter (.338, 18" Barrel)	SA	4	2-3-Nil	5/6	3	Nil	65
Tactical Hunter (.458, 18" Barrel)	SA	5	1-2-Nil	5/6	3	Nil	77

Winchester Classic Custom Sharpshooter

Notes: The Custom Classic Sharpshooter, built in the Winchester Custom Shop, is designed to be one of the most accurate rifles sold by Winchester. Though there are "standard" versions, so to speak, the Custom Shop will chamber the rifle for virtually any caliber the customer wishes, and with virtually any sort of accessories, sights, and materials the customer wishes. Winchester claims the Custom Classic Sharpshooter is accurate enough to be easily used as a sniper rifle in addition to a very accurate hunting weapon.

"Standard" versions are chambered in 7.62mm NATO and .300 Winchester Magnum. The stock is a glass-bedded Classic McMillan synthetic stock. The barrel is a Schneider stainless steel barrel, target-crowned and 24 inches in 7.62mm and 26 inches in .300 Magnum. The stock has a virtually full pistol grip wrist, and a raised stock cheekpiece. Actions are virtually handmade, being hand-honed and hand-fitted. Sling mounts are fitted, which van also be used as mounts for a bipod and monopod if desired. No iron sights are provided, but drilling and tapping able to take anything from standard rings to a MIL-STD-1913 rail are provided.

It should be noted that the Custom Classic Sharpshooter was built after Winchester moved to Belgium.

Twilight 2000 Notes: The Classic Custom Sharpshooter does not exist in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
Classic Custom Sharpshooter	7.62mm NATO	4.99 kg	5	\$1468
Classic Custom Sharpshooter	.300 Winchester Magnum	5.46 kg	3	\$2931

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Classic Custom Sharpshooter	BA	4	2-3-Nil	7	4	Nil	96
Classic Custom Sharpshooter	BA	5	1-2-3	8	4	Nil	109

Winchester M-74

Notes: This is a very simple semiautomatic design, easy to shoot and take care of. Dismantling is especially easy, and the bolt and bolt carrier group can be removed in one piece. As with many Winchester civilian designs, production was suspended during World War 2, but resumed shortly thereafter, and the Model 74 was very successful, with nearly a half a million made. Variants include the early Model 74, which chambered only .22 Short (the ability to chamber .22 Long Rifle did not appear until 1940). Another version, the M-77(i), has an interesting history; it was considered by the US Marines to arm friendly natives of Pacific isles, but the idea was dropped. The M-770 had a heavy barrel for increased accuracy. In all cases, the tubular magazine is in the butt and reloaded through a port in the side of the butt.

Weapon	Ammunition	Weight	Magazines	Price
M-74 (Early)	.22 Short	2.81 kg	20 Tubular	\$289
M-74	.22 Short or .22 Long Rifle	2.84 kg	20 (.22 Short), 14 (.22 Long Rifle); Tubular	\$296
M-77(i)	.22 Long Rifle	2.87 kg	14 Tubular	\$302

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
M-74 (Early)	SA	-2	Nil	6	1	Nil	40
M-74 (.22 Short)	SA	-2	Nil	6	1	Nil	40
M-74 (.22 Long Rifle)	SA	1	Nil	6	1	Nil	48
M-77(i)	SA	1	Nil	6	1	Nil	49

Winchester M-77

Notes: Not to be confused with the M-77(i) above, the M-77 is a very attractive weapon with a good finish and a choice of box or tubular underbarrel magazines. The M-77 has rails for a telescopic sight on top of the receiver and a nylon trigger guard. The box magazine variant proved to be less popular than the tubular magazine format.

Weapon	Ammunition	Weight	Magazines	Price
M-77	.22 Long Rifle	2.52 kg	8	\$276
M-77	.22 Long Rifle	2.55 kg	15 Tubular	\$276

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
M-77 (Both)	SA	1	Nil	5	1	Nil	45

Winchester M-100

Notes: This rifle was sold from 1960 to 1973, and was a very successful semiautomatic civilian rifle, with over a quarter of a million made. It is similar in appearance to the lever-action Winchester M-88 (see US Lever-Action Rifles), except for being an autoloader. The M-100 Carbine is the same, but has only a 19-inch barrel.

Weapon	Ammunition	Weight	Magazines	Price
M-100	.243 Winchester	2.95 kg	4	\$742
M-100	.284 Winchester	3.29 kg	3	\$964
M-100	7.62mm NATO	3.39 kg	4	\$1029

M-100 Carbine	.243 Winchester	2.9 kg	4	\$712
M-100 Carbine	.284 Winchester	3.23 kg	3	\$934
M-100 Carbine	7.62mm NATO	3.33 kg	4	\$998

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
M-100 (.243)	SA	3	2-Nil	7	3	Nil	60
M-100 (.284)	SA	4	2-3-Nil	7	4	Nil	66
M-100 (7.62mm)	SA	4	2-3-Nil	7	4	Nil	72
M-100 Carbine (.243)	SA	3	2-Nil	6	3	Nil	48
M-100 Carbine (.284)	SA	4	2-3-Nil	6	4	Nil	53
M-100 Carbine (7.62mm)	SA	4	2-3-Nil	6	4	Nil	58

Winchester M-290

Notes: This is an accompanying piece to the lever-action M-250 and the pump-action M-270. The receiver is built largely of aluminum alloy, and the wood is a "faux walnut" hardwood (stained to appear as walnut). Total production was a staggering 2.15 million! The rifle is fed by a tubular underbarrel magazine. There were several variants, both deluxe and even plainer, but they are identical for game purposes.

Weapon	Ammunition	Weight	Magazines	Price
M-290	.22 Long and .22 Long Rifle	2.27 kg	17 (.22 Long), 15 (.22 Long Rifle); Tubular	\$256

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
M-290 (.22 Long)	SA	1	Nil	5	1	Nil	38
M-290 (.22 Long Rifle)	SA	1	Nil	5	1	Nil	42

Winchester M-1903

Notes: This turn-of-the-20th-century semiautomatic rifle was designed in 1903 and first appeared on the market in 1904. Most have straight hardwood stocks, though some have pistol grip stocks. The first 5000 of these rifles had a problem with "doubling," where two shots are fired for one pull of the trigger. (This was only an intermittent problem.) This necessitated a change in the firing pin from bronze to steel. Few other changes were made over the life of the rifle. Variants of note include the Model 63, which fires .22 Long Rifle ammunition; this was introduced with a 20-inch barrel, but the barrel was later lengthened to 23 inches. After 1946, the Model 63 was grooved to accept a telescopic sight mount. The New Model 63, announced in 1997, is a modern recreation of the Model 63, using new manufacturing methods, but differing little in form from the original Model 63, other than being a lot fancier. In each of these rifles, the tubular magazine in the butt, with a loading port on the side of the butt.

The Winchester M-1905 is basically a Model 1903 rimfire rifle enlarged into a centerfire rifle. The tubular magazine was traded for a detachable box magazine, and a pistol grip stock was standardized in 1908. The 10-round magazine was not available until 1911.

The M-1907 is basically a Model 1905 chambered for a larger caliber. The pistol grip stock by this time was standard, and a police-style butt was used. Production stopped during World War 2, but resumed afterwards. For a short time (1934-37), a Police model was sold; this had a deeper pistol grip stock, an attachment for a bipod, sling swivels, and an attachment for a bayonet. An interesting version of the M-1907 was bought by the French near the end of World War 1; this version was experimented on to produce what may have been the first selective-fire rifle. This version of the M-1907 was virtually identical to the standard M-1907. They do not appear to have been used in combat, but some 1500 were bought.

The M-1910 was designed specifically for use with a then-new experimental cartridge, the .401 Winchester Self-Loading, and was meant to take the limits of the M-1903/1905/1907 series of rifles to the limits. The M-1910 is externally very similar to M-1907, other than the greatly-enlarged ejection port for the much larger cartridges.

Twilight 2000 Notes: The New Model 63 does not exist in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
M-1903	.22 Winchester Auto	2.61 kg	10 Tubular	\$259
Model 63 (20" Barrel)	.22 Long Rifle	2.59 kg	10 Tubular	\$256
Model 63 (23" Barrel)	.22 Long Rifle	2.74 kg	10 Tubular	\$286
New Model 63	.22 Long Rifle	2.83 kg	10 Tubular	\$281
M-1905	.32 Winchester Self-Loading	3.43 kg	5, 10	\$367
M-1905	.35 Winchester Self-Loading	3.46 kg	5, 10	\$376
M-1907	.351 Winchester Self-Loading	3.54 kg	5, 10	\$382
M-1907 (French)	.351 Winchester Self-Loading	3.55 kg	5, 10	\$385
M-1910	.401 Winchester Self-Loading	3.73 kg	4	\$620

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
M-1903	SA	1	Nil	5	1	Nil	44

Model 63 (20" Barrel)	SA	1	Nil	5	1	Nil	41
Model 63 (23" Barrel)	SA	1	Nil	5	1	Nil	46
New Model 63	SA	1	Nil	5	1	Nil	46
M-1905 (.32)	SA	2	1-Nil	6	1	Nil	62
M-1905 (.35)	SA	2	1-Nil	6	2	Nil	59
M-1907	SA	3	1-Nil	6	2	Nil	69
M-1907 (French)	5	3	1-Nil	6	2	6	69
M-1910	SA	3	2-Nil	6	4	Nil	72

Winchester SXR

Notes: The SXR (Super-X Rifle) is a new semiautomatic hunting rifle introduced at the end of 2006. Designed primarily for magnum cartridges, the SXR is Winchester's first semiautomatic sporting rifle in several decades, and takes cues from a few other rifles, though it is for the most part an original Winchester design. Certain recoil-reduction measures are similar to those of Benelli's R-1 and the operation is similar to that of the Browning BAR (the civilian rifle, not the military automatic rifle), but both the operation and recoil reduction are improved over those rifles.

The SXR's receiver is made from aluminum alloy; the strength and improvements in design to the Browning action allow the use of this type of receiver. The stock and fore-end are of beautifully-finished high-quality walnut with a contoured black end-cap for the fore-end and a Pachmayr Decelerator recoil pad on the butt. Other parts of the action allow a further decrease in felt recoil. The pistol grip wrist is nicely-checked, and the fore-end is ergonomically-shaped, but the fore-end does show some poor wood-to-metal fit where the fore-end meets the receiver. There are no iron sights, but the drilling and tapping allows for virtually any sort of optics mount, including Weaver and MIL-STD-1913 rails. The barrel is medium-heavy and cold hammer-forged, and is 24 inches long in the magnum calibers and 22 inches long for the .30-06 model. The trigger is single-stage and has a somewhat heavy pull which is unfortunately just a little creepy and uneven. There is also no bolt hold-open feature when the rifle empties its magazine. Barrel heat does tend to warp the barrel somewhat, which causes fired groups to become more and more open during even short periods of sustained shooting. Fortunately, the SXR is otherwise quite solidly and ruggedly built (though there is a rather long length of exposed barrel).

Most gun experts feel that the SXR is a rifle with promise, but that needs more work before it becomes a really good weapon.

Twilight 2000 Notes: The SXR does not exist in the Twilight 2000 timeline.

Weapon	Ammunition	Weight	Magazines	Price
SXR	.270 Winchester Short Magnum	3.29 kg	3	\$1047
SXR	.300 Winchester Short Magnum	3.4 kg	3	\$1204
SXR	.30-06 Springfield	3.51 kg	4	\$1336
SXR	.300 Winchester Magnum	3.62 kg	3	\$1933

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
SXR (.270)	SA	4	1-2-3	7	3	Nil	95
SXR (.300 Short Mag)	SA	5	1-2-3	7	3	Nil	103
SXR (.30-06)	SA	4	2-3-Nil	7	3	Nil	66
SXR (.300 Win Mag)	SA	5	2-3-Nil	8	3	Nil	85