

Pistol Ammunition

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.52 Auto Magnum

Overview

The **.52 Auto Magnum** was created in 1988 by Arcadia Machine & Tool for use in a prototype autoloading pistol. It was designed as a rimless, straight wall case cartridge loaded by taking a .510 SuperMagnum casing, converting it to be rimless and loading it with custom manufactured projectiles.

It was intended to be a close range dangerous and big game hunting cartridge loaded into a semi-automatic handgun. Additionally several experimental armor-penetrating projectiles were created for possible police and military buyers, however they did not go anywhere due to the slow and heavy nature of the cartridge not being of interest to any potential customers.

Stats

Ammunition Type	Damage	Bullet Velocity (m/s)	Barrier Penetration	Armor Piercing
400gr Jacketed Hollow Point	28	399	2.2	4
412gr Semi Jacketed Soft Point	20.5	342	3.45	6
420gr Enhanced Penetrator	22	302	6	6
500gr Tungsten Armor Penetrating Ball	30	110	8.4	18
384gr Armor Piercing Incendiary	18.8	417	6.65	6

Note: Barrier penetration represents the rounds ability to go through walls and barriers. Armor piercing represents the rounds ability to penetrate body armor plates.

.45 Winchester Magnum

Overview

The **.45 Winchester Magnum** is a semi-automatic handgun cartridge based on the .45 ACP, it is slightly elongated in comparison and packs roughly 3x the power of a .45 ACP. There are very few handguns in existence that are chambered in this round due to the excessive power and recoil produced by it.

Stats

Ammunition Type	Damage	Bullet Velocity (m/s)	Barrier Penetration
230gr Jacketed Hollow Point	19.1	490	1
255gr Hard Cast Flat Nose	15.8	430	6.8
260gr Power-Point	24	340	7

Note: Barrier penetration represents the rounds ability to go through walls and barriers. Armor piercing represents the rounds ability to penetrate body armor plates.

.45 Super

Overview

The **.45 Super** is a powerful pistol cartridge developed in 1988. It is dimensionally similar to the .45 ACP round but has a thicker case wall and is loaded to higher pressures, which offers an average 300 feet per second (91 m/s) improvement in muzzle velocity over the .45 ACP.

Stats

Ammunition Type	Damage	Bullet Velocity (m/s)	Barrier Penetration	Armor Piercing
230gr FMJ	10.7	345	5	4
325gr Hollow Point	15.45	310	2.6	1
RBCD AP	9.2	803.4	11.3	11.3
Strike 3	10.1x3	234	0.8	2
HV-I-AP	10.4	540	13	8

Note: Barrier penetration represents the rounds ability to go through walls and barriers. Armor piercing represents the rounds ability to penetrate body armor plates.

.45 ACP

Overview

The .45 ACP is an effective combat pistol cartridge that combines accuracy and stopping power for use against human targets. It has relatively low muzzle blast and flash, and it produces a stout, but manageable recoil in handguns.

Stats

Ammunition Type	Damage	Bullet Velocity (m/s)	Barrier Penetration	Armor Piercing
230gr Ball	9.7	255	2	4
Black Talon JHP	10.6	220	1.78	1
National AP	8.9	343	2.44	6.2
RIP	16.1	369	0	0
SLAP	6.2	713.4	9.973	7.11
78gr HP	8.6	579	1.5	2
Lehigh Multiball	3.2x5	213	1.3	2

Note: Barrier penetration represents the rounds ability to go through walls and barriers. Armor piercing represents the rounds ability to penetrate body armor plates.

10mm Auto

Overview

The **10mm Auto** (10×25mm) is a powerful semi-automatic pistol cartridge first introduced in 1983. In 1989 the round was adopted by the FBI but was soon decommissioned due to the excessive recoil and overpowered nature of the caliber which then resulted in the .40S&W round being developed by Smith & Wesson which is a shorter variant of the 10mm.

10mm is still used by a select few agencies and militaries around the world, it also has an enthusiastic group of supporters and users in the civilian and contractor world. It is used for self defense and hunting, offering extreme stopping power in a semi-automatic capable cartridge.

Stats

Note: 343.2 m/s is the subsonic barrier - anything below that is considered subsonic. Subsonic ammunition removes the bullet crack down range making the round better suited to stealth.

Ammunition Type	Damage	Bullet Velocity (m/s)	Barrier Penetration	Armor Piercing
200gr FMJ	14.8	387	1.7	4
200gr JHP	18.2	321	0.1	3
Xtreme Defender	16.69	457	1.45	4.6
77gr High Velocity Self Defence	13.7	815	3.4	2
80gr High Velocity Self Defence Tracer	13.7	815	3.4	2
Armour-piercing Discarding Sabot	10.4	612	11.5	13
230gr Duplex	7.8x2	340	7.8	1

Note: Barrier penetration represents the rounds ability to go through walls and barriers. Armor piercing represents the rounds ability to penetrate body armor plates.

.40 S&W (Short & Wimpy)

Overview

The **.40 S&W** is a rimless pistol cartridge developed jointly by major American firearms manufacturers Smith & Wesson and Winchester. The .40 S&W was developed from the ground up as a law enforcement cartridge designed to duplicate performance of the Federal Bureau of Investigation's (FBI) reduced-velocity 10mm Auto cartridge which could be retrofitted into medium-frame (9mm size) semi-automatic handguns. It uses 0.40-inch (10 mm) diameter bullets ranging in weight from 105 to 200 grains (6.8 to 13.0 g).

Stats

Ammunition Type	Damage	Bullet Velocity (m/s)	Barrier Penetration	Armor Piercing
FMJ	5.13	347.5	0.409	3
JHP	8.36	353.6	0.322	3
Subsonic	7.37	274.7	0.388	3

Note: Barrier penetration represents the rounds ability to go through walls and barriers. Armor piercing represents the rounds ability to penetrate body armor plates.

7.62x25 Tokarev

Overview

The **7.62×25mm Tokarev** cartridge is a Russian rimless bottlenecked pistol cartridge widely used in former Soviet satellite states, and in China and Pakistan among other countries. The cartridge has since been replaced in most capacities by the 9×18mm Makarov in Russian service. The cartridge is in principle an enhanced Russian version of the 7.63×25mm Mauser. The Russians produced a wide array of loadings for this cartridge for use in submachine guns.

This cartridge has excellent penetration and can easily defeat lighter ballistic vests (NIJ level I and IIA) as well as some kevlar helmets. When fired from a carbine-length barrel the cartridge may penetrate NIJ level II, but is readily stopped by the current standard armor NIJ level IIIA. Although most firearms chambered in this caliber were declared obsolete and removed from military inventories, some police and special forces units in Russia, Pakistan and in China may still use it because of the large quantity of stored ammunition available.

Stats

Ammunition Type	Damage	Bullet Velocity (m/s)	Barrier Penetration	Armor Piercing
Ball	4.9457779	390	0.77399999	7
Pst Gzh	12.2	487	2.5	4
LRNPC	21.7	460	2.5	3
AKBS	19.2	575	1.3	1
THV - Tungsten High Velocity	16	659	2.8	8

Note: Barrier penetration represents the rounds ability to go through walls and barriers. Armor piercing represents the rounds ability to penetrate body armor plates.

9x25 Dillon

Overview

The **9x25 Dillon** is a semi-automatic handgun cartridge created by necking down a 10mm Auto case to 9mm, creating a hotrod 9mm. It was originally made specially for IPSC pistol shooting but has found itsef being used by special forces looking to extend the range of their handguns.

Stats

Ammunition Type	Damage	Bullet Velocity (m/s)	Barrier Penetration
90gr JHP	15.4	640	0.2
125gr Match	12	550	2
94gr AP	8	770	9.2

Note: Barrier penetration represents the rounds ability to go through walls and barriers. Armor piercing represents the rounds ability to penetrate body armor plates.

9x19/9mm

Overview

9x19 Parabellum is a highly effective service pistol round that was originally designed to be lethal to 50 meters, but is still lethal at longer ranges. The 9mm cartridge combines a flat trajectory with moderate recoil.

Stats

Note: 343.2 m/s is the subsonic barrier - anything below that is considered subsonic. Subsonic ammunition removes the bullet crack down range making the round better suited to stealth.

Ammunition Type	Damage	Bullet Velocity (m/s)	Barrier Penetration	Armor Piercing
M882	7.2	440	1.2	6
Mk243	7.45	436	1.1	3
SLAP	3.4	980	8.25	15
RIP	11.4	490	0	0
ThunderZap JHP	8.6	861	0.3	1
Subsonic AP	7	260	5.1	8.5
CCI Shotshell	1x12	646	0.65	0.3
M1196 JHP-AP	8.11	600	3.02	6

Note: Barrier penetration represents the rounds ability to go through walls and barriers. Armor piercing represents the rounds ability to penetrate body armor plates.

9x18 Makarov

Overview

The **9×18mm Makarov** is a Russian pistol and submachine gun cartridge. It is often compared to the western equivalent of 9x19 Parabellum, however in comparison it is slightly less powerful.

Stats

Ammunition Type	Damage	Bullet Velocity (m/s)	Barrier Penetration	Armor Piercing
57-N-181S/RGO28	5.0700002	272	0.838	5.5
7N15	5.1	410	1.54	6
7N16	5	410	1.6	6
7N25	5.4	311	1.8	8
PSO	7	390	1.2	3
PST	4.9	298	1.5	4
SP7	7.2	350	1.4	3
SP8	7.14	340	0.8	1
PSV	6.97	300	0.76	1
PPO	6.89	290	0.95	1
PT	6.9	352	1.32	3
PSP	6.78	330	0.65	1

5.7x28

Overview

The **FN 5.7×28mm** is a small-caliber, high-velocity cartridge designed for the Five-sevenN handgun and the P90 personal defense weapon (PDW) uses and manufactured by [FN Herstal](#).

Stats

Ammunition Type	Damage	Bullet Velocity (m/s)	Barrier Penetration
SS190	6.5	716	2.8
L191 (Tracer)	6.3	922	2.4
R37-F	9.5	729	0.8
SB193	6	299	3
Duplex	4.5x2	620	1.15

Note: Barrier penetration represents the rounds ability to go through walls and barriers. Armor piercing represents the rounds ability to penetrate body armor plates.

.357 SIG

Overview

The **.357 SIG** pistol cartridge is the product of Swiss-German firearms manufacturer SIG Sauer, in cooperation with ammunition manufacturer Federal Cartridge. The cartridge is used by a number of law enforcement agencies and has a good reputation for accuracy.

Stats

Ammunition Type	Damage	Muzzle Energy	Bullet Velocity (m/s)	Barrier Penetration	Armor Piercing
FMJ	5.78	910	401	0.384	5
JHP	8.21	910	372	0.306	5

Note: Barrier penetration represents the rounds ability to go through walls and barriers. Armor piercing represents the rounds ability to penetrate body armor plates.

7.5 FK

Overview

The **7.5 FK** or the **7.5 FK BRNO** is a bottlenecked rimless centerfire automatic pistol cartridge developed by the Czech firearms and ammunition manufacturer FK Brno. The cartridge was designed to provide long-range accuracy and high incapacitation capability, similar to that of a .357 Magnum, in a relatively small pistol, especially when compared to other automatic pistol cartridges. Seeing the benefits of the cartridge, it has been adopted by numerous law enforcement agencies and militaries engaged in ongoing conflicts by their special operations units. It has begun replacing the FN P90 as the standard issue firearm for foundationsite security in several locations throughout the world.

Stats

Note: 343.2 m/s is the subsonic barrier - anything below that is considered subsonic. Subsonic ammunition removes the bullet crack down range making the round better suited to stealth.

Ammunition Type	Damage	Bullet Velocity (m/s)	Barrier Penetration
F9 Flat Nose	12.7	610	3.5
S95 Hollowpoint	18.9	502	0.2
F5 Discarding Hollowpoint	15.3	582	1.7
F8 Armor Piercing	10.7	803	9.5

Note: Barrier penetration represents the rounds ability to go through walls and barriers. Armor piercing represents the rounds ability to penetrate body armor plates.

HK4.6x30

Overview

The **HK 4.6×30mm** cartridge is a type of ammunition primarily used in the Heckler & Koch MP7 Personal defense weapon (PDW). It is designed to minimize weight and recoil while increasing penetration of body armor. It features a bottlenecked case and a pointed, steel-core, brass-jacketed bullet.

Stats

Ammunition Type	Damage	Bullet Velocity (m/s)	Barrier Penetration	Armor Piercing
DM11 GPR	6	725	1.54	5
DM31 AP	5.9	660	1.67	6
AP SX	6.2	680	2.1	8
Action SX	9	690	0.2	1
Subsonic SX	6	290	0.15	6
DE (Dual Environment)	5.67	700	2.1	5
DM41 AP	4.9	922	5.2	16

Note: Barrier penetration represents the rounds ability to go through walls and barriers. Armor piercing represents the rounds ability to penetrate body armor plates.

6.5x25 Seburo

Overview

The **7.5 FK** or the **7.5 FK BRNO** is a bottlenecked rimless centerfire automatic pistol cartridge developed by the Czech firearms and ammunition manufacturer FK Brno. The cartridge was designed to provide long-range accuracy and high incapacitation capability, similar to that of a .357 Magnum, in a relatively small pistol, especially when compared to other automatic pistol cartridges. Seeing the benefits of the cartridge, it has been adopted by numerous law enforcement agencies and militaries engaged in ongoing conflicts by their special operations units. It has begun replacing the FN P90 as the standard issue firearm for foundationsite security in several locations throughout the world.

Stats

Note: 343.2 m/s is the subsonic barrier - anything below that is considered subsonic. Subsonic ammunition removes the bullet crack down range making the round better suited to stealth.

Ammunition Type	Damage	Bullet Velocity (m/s)	Barrier Penetration
F9 Flat Nose	12.7	610	3.5
S95 Hollowpoint	18.9	502	0.2
F5 Discarding Hollowpoint	15.3	582	1.7
F8 Armor Piercing	10.7	803	9.5

Note: Barrier penetration represents the rounds ability to go through walls and barriers. Armor piercing represents the rounds ability to penetrate body armor plates.

.22 Winchester Magnum

Rimfire (.22WMR)

Overview

The **.22 Winchester Magnum Rimfire**, also called **.22 WMR** or **.22 Magnum** is a rimfire cartridge. It is a high velocity cartridge that is sometimes considered the budget 5.7, offering superior capacity in a handgun (30 rounds in the PMR-30 compared to 20 rounds in the FN Five-seveN) and with the right loads, offering similar ballistic capabilities. Additionally, while it lacks the punching power of bigger pistol calibers it does offer the ability to shoot out to further ranges than typical for a pistol caliber - making it a highly capable calibre in its own right.

Stats

Ammunition Type	Damage	Bullet Velocity (m/s)	Barrier Penetration	Armor Piercing
30gr HP	5	700	1.1	2
40gr HP	5.2	572	1.15	2
50gr HP	5.5	470	1.15	2
Hornady FTX45	5.7	500	1.08	2
Winchester PDX-1	5.8	488	0.94	2
Devastator	5.3+0.4 Incendiary Damage	466	0.72	2

Note: Barrier penetration represents the rounds ability to go through walls and barriers. Armor piercing represents the rounds ability to penetrate body armor plates.

.22 Long Rifle

Overview

The **22 Long Rifle** or simply **22 LR** is a long-established variety of 22 caliber rimfire ammunition originating from the United States. It is used in a wide range of rifles, pistols, revolvers, and submachine guns.

In terms of units sold it is by far the most common ammunition in the world today. Common uses include hunting and shooting sports. The 22 Long Rifle is effective at short ranges and has little recoil making it ideal for training.

Stats

Ammunition Type	Damage	Bullet Velocity (m/s)	Barrier Penetration	Armor Piercing
CCI 40GR LRN	3	370	0.7	0
CCI 32GR LRN	2	440	0.5	0
Devastator	3.4+0.4 Explosive DMG	412	0.8	1
Aguila Sniper Subsonic	2.9	290	0.82	2
Aguila SuperMaximum 55gr JHP	5.1	310	0.58	0
Federal Premium Hunter Match	3.75	250	0.66	1

Note: Barrier penetration represents the rounds ability to go through walls and barriers. Armor piercing represents the rounds ability to penetrate body armor plates.