

**CENTREFIRE PISTOL AMMUNITION  
(DOMESTIC)**

<b>Calibre</b>	<b>Velocity (FPS)</b>	<b>Penetration</b>
.22 Jet	2100	9
.221 Rem. Fireball	2650	12
.25 Auto Pistol	760	4
.30 Carbine	1790	11
.30 Luger	1220	7
.30 Wildey Magnum		
.30 Ingram Magnum		
.32 Short Colt	745	5
.32 Auto Pistol	905	6
.32 S & W	680	4
.32 S & W Long	780	5
.32 H & R Magnum	1100	7
.32-20 Win.	1030	7
.32-20 WCF	802	5
.357 Magnum	1450	10
.357 Maximum		
.357/ .44 Bain & Davis		
.357 Peterbuilt		
.357 Super Magnum	1526	11
.375 Super Magnum	1364	10
.375 DAK		
.38 Short Colt	730	6
.38 Long Colt	730	6
.380 Auto Pistol	1000	8
.380 ACP	1065	8
.38 S & W	685	5
.38 Special	995	8
.38 Special +P	974	7
.38 Super	1435	11
.38 Super Auto	1280	10
.38 Super Auto Colt	1300	10
.38-40 Win.	975	7
.38-40 WCF	790	6
.38 WMR		
9 mm Para	1300	9
9 mm Luger	1500	11
9 mm "Cyclone"	1800	13
9 mm Win. Magnum		
9 mm Win. Magnum "Cyclone"	2400	17
10 mm Auto	1050	8
10 mm Wildey Magnum		
10 mm Magnum		
.40 S & W	985	8
11 mm Wildey Magnum		
.41 Action Express	1083	9
.41 Long Colt	721	6
.41 Rem. Magnum	1300	11
.41 Ingram Magnum		

**Speed of Sound at Sea Level = 1056 FPS**

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<b>Calibre</b>	<b>Velocity (FPS)</b>	<b>Penetration</b>
.44 S & W Special	900	8
.44 S & W Russian	755	7
.44 Rem. Magnum	1610	14
.44 Win. Magnum		
.44 Ultra Magnum	1718	15
.44-40 Win.	975	9
.44-40 WCF	700	6
.445 Super Magnum	1648	15
.45 ACP	950	8
.45 ACP +P	1028	9
.45 ACP "Cyclone"	1250	11
.45 Long Colt	900	8
.45 Win. Magnum	1400	13
.45 Win. magnum "Cyclone"	2700	24
.454 Casull	1617	15
.475 Wildey Magnum		
.50 AE	1421	14
.50 Ingram Magnum		
.500 Maximum		

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<b>Calibre</b>	<b>Velocity (FPS)</b>	<b>Penetration</b>
.17 KRM		
.17 Remington 5 mm Magnum	4040	14
.218 Bee	2760	12
.22 Hornet	2690	12
.22-44-454		
.220 Swift	3650	16
.222 Rem.	3044	14
.222 Rem. Magnum	3240	14
.22-6 mm		
.22-6 mm Improved		
.22-240 Wby. Magnum	4494	20
.22-243		
.22-250 Rem.	3586	16
.223 Rem. (5.56 N)	3112	14
.223 UCC (Usel Caseless Cart)	3200	14
.224 Wby. Magnum	3650	16
.225 Win.	3570	16
.226 JDJ	2950	13
.236 US Navy	2396	11
.240 Wby. Magnum	3825	18
.243 Win.	2940	14
.250 Savage	2700	14
.250-3000 Savage	3000	15
.25-06 Rem.	3440	17
.25-20 Win.	3570	7
.25-20 WCF Smokeless	1360	7
.25-35 Win.	2330	12
.25-35 WCF Smokeless	2000	10
.25-50 Stevens		
.257 Roberts	2780	14
.257 Ackley Improved		
.257 Wby. Magnum	3555	18
.257 JDJ	2900	15
.264 Win. Magnum	3030	16
.270 Wby. Magnum	3375	18
.270 Win.	2830	15
.270 JDJ	2400	13
.280 Rem.	2850	16
.280 Ross		
.280 Halger Magnum		
.280 Jeffery		
.284 WCF		
.284 Win.	2860	16
.295		
.297/250		
6 mm BR Rem.	3470	17
6 x 45 mm	3248	15

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<b>Calibre</b>	<b>Velocity (FPS)</b>	<b>Penetration</b>
6 x 47 mm	3103	15
6 mm T/CU	2819	13
6 mm PC	3112	15
6 mm JDJ #2	2900	14
6.5 mm Whisper		
6.5 mm JDJ	2400	12
6.5 mm/284	2900	15
6.5 x 55 Swedish	2850	15
7 x 57 mm Mauser	3125	17
7 mm Rem. Magnum	3165	17
7 mm Super Magnum		
7 mm Gates		
7 mm x 30 Waters	2700	15
7 mm x 30 Improved JDJ	2400	13
7 mm Whisper		
7 mm JDJ	2400	13
7 mm JDJ #2	2400	13
7 mm TCU		
7 mm IHMSA (.270 IHMSA)	2780	15
7 mm - 308		
7 mm Dakota	3200	18
7 mm Shooting Times Westerner		
.30 Carbine	1927	12
.30 Herret	1850	11
.30 M2	2773	17
.30 Newton		
.30 Rem.	2120	13
.30 Flanged		
.30 Short Magnum		
.30 A-Square Magnum		
.30 WCF Smokeless	1970	12
.30 US Army	2066	12
.300 Savage	2630	16
.300 Win. Magnum	3215	19
.300 Wby. Magnum	3450	21
.300 H&H Magnum	3060	18
.300 Jarrett		
.300 Mashburn Super Magnum		
.300 Improved Magnum		
.300 AMU		
.300 Kong	3724	22
.300 Rigby	3450	21
.300 Whisper	1050	6
.300 Dakota	3300	20
.30-06 Sprg.	2910	17
.30-06/.224 Accelerator	4080	18
.30-338	3400	21
.30-378 Weatherby Magnum	6000	36

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<b>Calibre</b>	<b>Velocity (FPS)</b>	<b>Penetration</b>
.303 Magnum		
.303 British	2690	16
.303 Savage	1890	11
.30-30 Win.	2159	13
.30-30 Win./.224 Accelerator	3400	15
.30-40 Krag	2430	17
.30-416 Rigby	3500	21
.307 Win.	2510	15
.308 Win. (7.62 N)	2820	17
.308 Win./.224 Accelerator	3770	17
.308 Norma Magnum	3020	19
.308 WCF		
.308 Win. F.L.		
.309 JDJ	2400	15
.32 Win. Special	2250	14
.32 Win.	1177	8
.32 Remington	2140	14
.32-20 Win.	1210	8
.32-40	1180	8
.330 Dakota	3200	21
.33 G & A		
.333 Jeffery		
.338 Win. Magnum	2780	19
.338 Lapua		
.338-06 Wildcat	2400	16
.338 Whisper		
.338 JDJ #2	2300	16
.338/378 KT		
.338 Woodswalker	2100	14
.339 NNN		
.340 Wby. Magnum	2930	20
.348 Win.	2540	17
.35 Rem.	2080	15
.35 Whelen	2400	17
.35 Newton		
.35 Whisper		
.350 Rem. Magnum	2710	19
.356 Win.	2460	17
.357 Magnum	1830	13
.357 Herret		
.358 Win.	2490	18
.358 Norma Magnum	2800	20
.358 Shooting Times Alaskan	2900	21
.358 JDJ	2250	16
.358 Whisper		
.360 #2		
.360 #5		
.369 Purdey		

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<b>Calibre</b>	<b>Velocity (FPS)</b>	<b>Penetration</b>
.375/284	2400	18
.375 H & H Magnum	2690	20
.375 Win.	2200	17
.375 Wby. Magnum		
.375 Whisper		
.375 Dakota	2800	21
.375 JDJ	2250	17
.375 Flanged		
.375 Jones Rhino Stopper		
.375 JRS	2200	17
.378 Wby. Magnum	3180	24
.38 Win.	1268	10
.38 Win. Smokeless	1300	10
.38-40	1160	9
.38-55	1320	10
.38-55 Marlin		
.38-55 Ballard		
.38-56 Win.	1359	10
.38-70 Win.	1449	11
.38-72		
.38-90 Win. Express	1546	12
7.62 x 39 mm	2320	14
7 mm-08 Rem. Magnum	3099	17
7 mm Rem. Express	2970	16
7 mm Wby. Magnum	3200	18
7 x 66 mm Von Hofe		
7.7 x 50R mm		
8 x 57 mm Mauser	2360	15
8 mm Rem. Magnum	2830	18
8 mm JDJ	2300	14
9.5 mm Turkish Mauser		
9.5 x 47R mm		
9.5 x 73 mm		
.40-50 Sharps Straight		
.40-50 Remington		
.40-60 Marlin	1419	11
.40-60 Win.	1475	12
.40-65 Sharps Striaght		
.40-65 Remington		
.40-65 Win.	1325	11
.40-70 Sharps Straight	1229	10
.40-70 Win.	1349	11
.40-72 Win.		
.40-75 Bullard		
.40-80 Win.		
.40-82 Win. Express	1445	12
.40-90 Sharps BN		
.40-90 Sharps Straight	1357	11

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<b>Calibre</b>	<b>Velocity (FPS)</b>	<b>Penetration</b>
.40-90 Ballard		
.40-90 3¼" Straight		
.40-110 Win. Express	1555	12
.404 Jeffery	2150	17
.405 Win.		
.405 WCF		
.411 KDF Magnum	2450	20
.411 JDJ	2350	19
.411 Whammy		
.416 Taylor	2330	19
.416 Rigby	2600	22
.416 Hoffman	2380	20
.416 Rem. Magnum	2520	21
.416 Wby. Magnum	2650	22
.416 Whisper		
.416 Dakota	2450	20
.416 JDJ	1750	15
.425 WR		
.44 Rem. Magnum	1920	17
.44 Win.	1245	11
.44-40 Win.	1190	11
.44-70 Maynard		
.444 Marlin	2350	21
.45-60 Win.	1271	11
.45-65		
.45-70 Govt.	1880	17
.45-70 Sharps Straight		
.45-75 Win.	1344	12
.45-82 Win. Express		
.45-85		
.45-90 WCF		
.45-90 Win. Express	1970	18
.45-90 Marlin		
.45-100 Ballard		
.45-100 Sharps Straight		
.45-110 Sharps Straight		
.45-120 Sharps Straight		
.45-125 Win. Express	1633	15
.450/400 BP		
.450/400 Nitro Express 3"		
.450/400 Magnum		
.450 Nitro Express 3¼"		
.450 Dakota	2450	22
.458 Win. Magnum	2450	22
.458 Lott	2300	21
.458 Whisper		
.458 2"		
.460 Wby. Magnum	2650	24

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<b>Calibre</b>	<b>Velocity (FPS)</b>	<b>Penetration</b>
.470 Nitro Express	2150	20
.470 Capstick	2400	23
.475 A&M		
.475 Linebaugh	1300	12
.476 Nitro Express		
.495 B-Round		
10.25 x 69R mm		
10.3 x 60R Swiss		
11 mm Murata		
11 mm Gras		
11.15 mm Werndl M/77		
.500 A-Square	2380	24
.500 Whisper	1040	10
.50 BMG	3080	31
.50 American Eagle		
.50/460 WBY		
12.11 mm Norway & Sweden		
.500 Jeffery		
.500 Nitro Express	2125	21
.500 Nitro Express 3"		
.500/450 Nitro Express		
.500/465 Nitro Express		
.50-60-400 Jolslyn		
.50-70 Govt.		
.50-70-750		
.50-90 Sharps		
.50-95 Win. Express	1493	15
.50-110 Win. Express	1536	15
.50-115 Ballard		
.50-140 Sharps		
.505 Gibbs		
.577 Nitro	2050	24
.577 2¾" BPE		
20/577 Henry		
.577 3" BPE		
.577 3" Cordite		
.577/450 Martini Henry		
.577 Snider	1200	14
.585 Nyati	2525	30
.600/577 Rewa	1950	23
.600 Nitro Express	1950	23

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**CENTREFIRE RIFLE AMMUNITION  
(FOREIGN)**

<b>Calibre</b>	<b>Velocity (FPS)</b>	<b>Penetration</b>
5.6 x 35R Vierling	2030	9
5.6 X 50 mm Magnum	3590	16
5.6 x 52R mm Sav. H.P.	3510	15
5.6 x 57 mm	3410	15
5.6 x 61 mm Vom Hofe SE	3700	16
5.6 x 61R mm	3700	16
6.5 x 54 mm Mann. Sch.	2580	13
6.5 x 5.5 mm Swedish Maus.	2789	14
6.5 x 57 Mauser	3350	17
6.5 x 57R mm	3350	17
6.5 x 68 mm	3770	19
6.5 mm Carcono	2000	10
6.5 mm Japanese	2428	12
7 x 57 mm Mauser	3330	18
7 x 57R mm	3260	18
7 x 61 mm S & H	3100	17
7 x 64 mm Brenneke	3572	20
7 x 65R mm	3480	19
7 x 65R mm Brenneke	3000	17
7 mm Von Hofe SE	3300	18
7 x 75R mm Von Hofe SE	3070	17
7.5 x 55 mm Swiss	2650	16
7.65 mm Argentine	2920	18
7.7 mm Japanese	2950	18
8 x 57 Mann. Sch.	2181	14
8 x 57 mm JR	2391	15
8 x 57 mm JRS	2970	19
8 x 57 mm JS	2963	19
8.57 mm JRS	2600	17
8 x 60 mm	2585	16
8 x 60F mm	2660	17
8 x 60R mm	2660	17
8 x 64 mm Brenneke	2830	18
8 x 64S mm Bernneke	2830	18
8 x 64RS mm Bernneke	2830	18
8.15 x 46R mm	1920	12
8 x 68S mm Magnum	3280	21
9 x 57 mm Mauser	2310	16
9.3 x 62 mm Mauser	2515	18
9.3 x 64 mm Brenneke	2640	19
9.3 x 72R mm	1925	14
9.3 x 74R mm	2360	17
10.75 x 68 mm Mauser	2190	19
10.75 x 73 mm	2330	20
11.2 x 60R mm	1360	12

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## RIMFIRE AMMUNITION

Calibre	Velocity (FPS)	Penetration
SPECIALTY LOADS		
.22 Short Gallery	1690	7
.22 Short CB	725	3
.22 Long CB	727	3
STANDARD VELOCITY & TARGET		
.22 L. R. Shot	1025	5
.22 Win. Magnum Shot	1126	5
.22 Short Target	830	4
.22 Short	1045	5
.22 L. R. Pist. Mat.	1070	5
.22 Long Rifle	1150	5
.22 L. R. Silhouette	1220	5
.22 Win. Auto	1126	5
HIGH VELOCITY		
.22 Short	1164	5
.22 Long	1180	5
.22 Long Rifle	1280	6
.22 L. R. Sidewinder	1235	5
.22 W.R.F.	1320	6
HYPERVELOCITY		
.22 L. R. Xpediter	1680	7
.22 L. R. Stinger	1640	7
.22 L. R. Yellow Jacket	1500	7
.22 L. R. Viper	1410	6
.22 L. R. TCS	1425	6
MAGNUM		
.22 Win. Magnum RF	2200	10

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