Manuale di Ricarica

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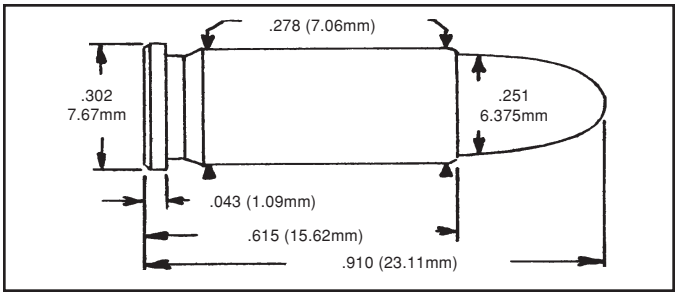
seconda edizione

.25 ACP (6.35 BROWNING)

The .25 automatic pistol cartridge was introduced in 1908 for the Browning-designed, Colt .25 Pocket Automatic. This cartridge was also produced in Europe as the 6.35 Browning.



The .25 ACP has been and still is available in a myriad of inexpensive handguns. It is capable of reasonably high velocities for such a small cartridge.

The SAAMI Maximum Average Pressure for the .25 ACP is 18,000 C.U.P.

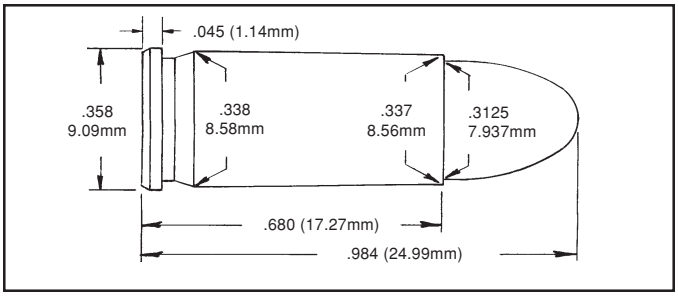
.25 ACP

Gun	RAVEN	Max Length	0.615″
Barrel Length	2″	Trim Length	0.605″
Primer	WSP	OAL Max	0.910″
Case	HDY	OAL Min	0.860″

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
HDY 50 FMJ	**No.2**	1.4	660	**No.2**	1.6	717	13,900	0.900″	

.32 ACP

Extremely popular in Europe where it is known as the 7.65mm Browning, the .32 ACP was first marketed by Fabrique Nationale about 1900. Virtually every European pistol manufacturer has chambered for it, as have several in the United States.



The .32 ACP is used in America primarily for back-up and self defense guns, while in Europe, it is considered appropriate as a primary police round.

The SAAMI Maximum Average Pressure for the .32 Auto is 20,500 P.S.I.

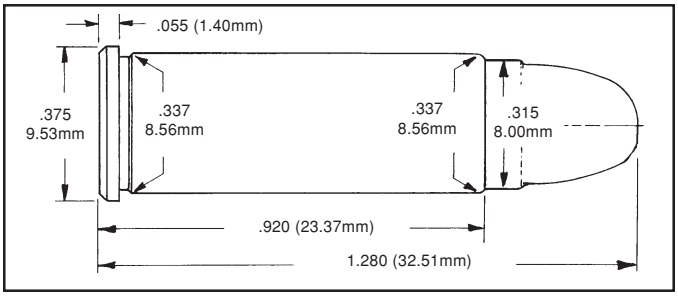
.32 ACP

Gun	HS PRECISION	Max Length	0.680″
Barrel Length	4″	Trim Length	0.660″
Primer	CCI 500	OAL Max	0.984″
Case	HDY	OAL Min	0.940″

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	P.S.I.	Cartridge Length	Comment
84 (L) RN	**No.2**	1.6	679	**No.2**	1.8	772	19,000	0.950″	RCBS-32ACP
	No.5	2.0	671	**No.5**	2.2	762	19,800		
SRA 71 FMJ	**No.2**	2.0	572	**No.2**	2.2	650	19,300	0.955″	
	No.5	2.9	619	**No.5**	3.2	703	19,700		
HDY 85 XTP	**No.2**	1.6	612	**No.2**	1.8	695	18,800	0.940″	
	No.5	2.2	615	**No.5**	2.4	699	19,100		

.32 SMITH & WESSON LONG

Also known as the .32 Colt New Police, this cartridge was introduced by Smith & Wesson in 1903.



For many years the .32 S&W Long was deemed adequate for police use in the United States and was quite popular with plain-clothesmen.

It has a reputation for excellent accuracy and, up until the 1960s, was widely used for target shooting in the United States. Using wadcutter loads in semiautomatics, the .32 S&W Long is still popular in International Centerfire Competition. For hunting its use should be limited to small game at close range.

The SAAMI Maximum Average Pressure for the .32 S&W Long is 12,000 C.U.P.

.32 SMITH & WESSON LONG

Gun	DOUGLAS	Max Length	0.920″
Barrel Length	6″	Trim Length	0.900″
Primer	FC 100	OAL Max	1.280″
Case	REM	OAL Min	1.230″

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
90 (L) HBWC	**No.2**	1.8	692	**No.2**	2.0	786	10,000	0.930″	HDY
	No.5	2.7	774	**No.5**	3.0	880	11,100		
90 (L) SWC	**No.2**	2.1	741	**No.2**	2.3	842	10,800	1.190″	HDY
	No.5	3.1	811	**No.5**	3.4	922	12,000		
HDY 85 XTP	**No.2**	2.1	769	**No.2**	2.3	875	12,000	1.175″	
	No.5	3.2	818	**No.5**	3.6	930	12,000		
SRA 90 JHP	**No.2**	2.3	780	**No.2**	2.5	886	12,000	1.190″	
	No.5	3.1	759	**No.5**	3.4	863	11,200		
HDY 100 XTP	**No.2**	1.9	614	**No.2**	2.1	700	12,000	1.160″	
	No.5	2.9	685	**No.5**	3.2	778	12,000		

.32 S&W LONG

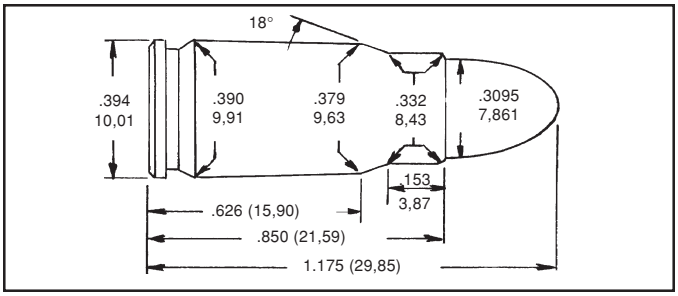
Gun	TEST BARREL	Max Length	0.920"
Barrel Length	6″	Trim Length	0.900"
Primer	CCI 500	OAL Max	1.280"
Case	REM	OAL Min	1.230"

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	Pressure C.U.P.	Cartridge Length	Comment
HDY 90 (L) HBWC	**No.2**	1.8	692	**No.2**	2.0	786	10,000	0.930″	
	No.5	2.7	774	**No.5**	3.0	880	11,100		
HDY 90 (L) SWC	**No.2**	2.1	741	**No.2**	2.3	842	10,800	1.190"	
	No.5	3.1	811	**No.5**	3.4	922	12,000		

.30 LUGER

Introduced around 1900 by the Deutsche Waffen u. Munitions Fabriken, this 7.65mm bottlenecked round was the original cartridge for the Luger automatic pistol.

While not noted for stopping power, the .30 Luger is suitable for taking small game at close range.



The SAAMI Maximum Average Pressure for the .30 Luger is 28,000 C.U.P.

.30 LUGER

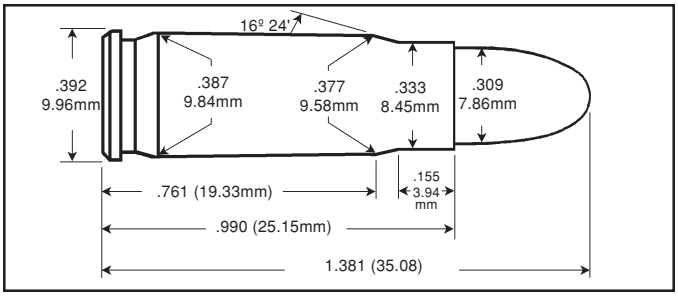
Gun	DOUGLAS	Max Length	0.850″
Barrel Length	6″	Trim Length	0.830″
Primer	CCI 500	OAL Max	1.175″
Case	FIOCCHI	OAL Min	1.130″

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
HDY 86 RN	**No.2**	4.1	1158	**No.2**	4.5	1316	27,900	1.175″	
	No.5	5.6	1240	**No.5**	6.2	1409	28,000		
	No.7	6.8	1247	**No.7**	7.6	1417	26,800		
HDY 93 RN	**No.2**	4.1	1106	**No.2**	4.5	1257	28,000	1.170″	
	No.5	5.2	1145	**No.5**	5.8	1301	26,300		
	No.7	6.5	1177	**No.7**	7.2	1338	26,400		
SPR 100 Plinker	**No.2**	3.9	1085	**No.2**	4.3	1233	26,600	1.180″	*
	No.5	5.0	1126	**No.5**	5.5	1280	26,700		
	No.7	6.2	1139	**No.7**	6.9	1294	26,200		

* Over SAAMI MAX OAL

7.62x25mm TOKAREV

This handgun is increasing in popularity in the U.S. In determining the appropriate pressure limit for our load data we tested various military ammo from China, Austria, Bulgaria and the Czech Republic. Commercial ammo produced by Sellier and Berloit was also tested. Based on these test results we arrived at a maximum pressure for our load data of 42,000 C.U.P.



The pressure data shown here was developed in a 9" pressure barrel. We then fired the same loads through an issue CZ-52 to record the velocities. We felt that this would give a much better picture of the field performance of this data. The CZ-52 was kindly provided by Mr. Lane Pearce.

We feel that the maximum loads shown here are suitable for the CZ-52 so long as the firearm is in good condition. Other models of foreign handguns of lesser quality should probably be loaded in a more cautious manner.

7.62x25mm TOKAREV

Gun	DOUGLAS	Max Length	0.990"
Barrel Length	9″	Trim Length	0.980"
Primer	CCI 500	OAL Max	1.381"
Case	STARLINE	OAL Min	--

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
SRA 85 RN	**No.2**	5.8	1443	**No.2**	6.5	1640	41,500	1.316″	
	No.5	7.6	1554	**No.5**	8.5	1766	40,400		
	No.7	9.2	1560	**No.7**	10.2	1773	41,000		
	No.9	11.8	1682	**No.9**	13.1	1972	41,000		
HDY 86 RN	**No.2**	5.8	1339	**No.2**	6.5	1522	41,300	1.316″	
	No.5	7.6	1510	**No.5**	8.5	1717	41,000		
	No.7	9.3	1521	**No.7**	10.3	1729	41,200		
	No.9	12.1	1683	**No.9**	13.5	1913	41,800		
HDY 93 RN	**No.2**	5.4	1443	**No.2**	6.0	1640	41,700	1.316″	
	No.5	7.6	1477	**No.5**	8.5	1679	40,900		
	No.7	9.0	1472	**No.7**	10.0	1673	41,200		
	No.9	11.1	1565	**No.9**	12.3	1779	41,000		

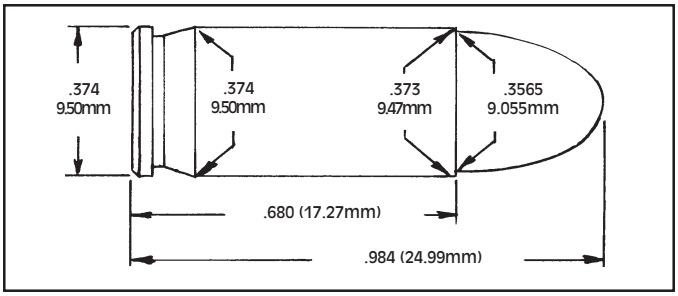
Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
SPR 100 PLINKER	**No.5**	7.2	1430	**No.5**	8.0	1625	41,500	1.300"	
	No.7	8.5	1452	**No.7**	9.5	1651	41,500		
	No.9	10.8	1541	**No.9**	12.0	1752	40,800		
SPR 110 RN	**No.2**	5.6	1273	**No.2**	6.2	1447	40,100	1.300″	
	No.5	7.2	1381	**No.5**	8.0	1570	41,700		
	No.7	8.5	1425	**No.7**	9.5	1620	42,000		
	No.9	10.5	1485	**No.9**	11.7	1688	41,800		

7.62 x 25mm TOKAREV

Gun	CZ 52	Case	Max length	0.990	"
Barrel length	4.8"		Min length	0.980	"
Primer	CCI 500		COL max	1.381	"
Case	STARLINE		COL min	N/A	"

Bullet	Start loads			Maximum loads				Cartridge	
	Powder	Grains	Vel.	Powder	Grains	Vel	PSI	length	Comment
85 SRA	**No. 2**	5.1	1230	**No. 2**	5.8	1371	31763	1.316"	
RN	**No. 5**	7.3	1253	**No. 5**	8.5	1447	32681		
	No. 7	8.0	1271	**No. 7**	9.1	1440	33055		
	No. 9	9.1	1262	**No. 9**	10.4	1445	33322		
86 HDY	**No. 2**	5.8	1277	**No. 2**	6.3	1430	34754	1.316"	
RN	**No. 5**	7.6	1265	**No. 5**	8.9	1468	33030		
	No. 7	8.3	1279	**No. 7**	9.5	1463	33189		
	No. 9	9.6	1293	**No. 9**	10.9	1470	33851		
93 HDY	**No. 2**	5.0	1175	**No. 2**	5.7	1344	33564	1.316"	
RN	**No. 5**	7.5	1254	**No. 5**	8.5	1409	33032		
	No. 7	8.0	1242	**No. 7**	9.2	1424	34216		
	No. 9	9.2	1241	**No. 9**	10.8	1420	33864		
100 SPR	**No. 5**	6.4	1140	**No. 5**	7.2	1321	33425	1.300"	
Plinker	**No. 7**	7.0	1150	**No. 7**	8.0	1317	33508		
	No. 9	8.0	1153	**No. 9**	9.2	1300	34382		
110 SPR	**No. 2**	4.0	1015	**No. 2**	5.0	1174	33569	1.300"	
RN	**No. 5**	5.8	1071	**No. 5**	6.9	1237	33044		
	No. 7	6.5	1093	**No. 7**	7.4	1239	33518		
	No. 9	7.3	1074	**No. 9**	8.5	1248	34270		

.380 ACP (9mm KURZ)



Known in Europe as the 9mm Browning Short, the .380 Auto was introduced by John Browning in 1912 and has been chambered by nearly every manufacturer of semi-automatic pistols.

The .380 Auto is a much better choice for self defense than either the .25 or the .32 Autos and is routinely used by several foreign police and military organizations.

In the hunting field, it is adequate for small game with cast or jacketed bullets, but only at close range.

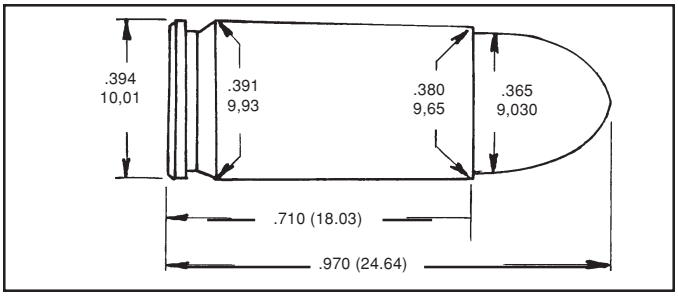
The SAAMI Maximum Average Pressure for the .380 Auto is 17,000 C.U.P.

.380 ACP

Gun	OBERMEYER	Max Length	0.680″
Barrel Length	3″	Trim Length	0.670″
Primer	CCI 500	OAL Max	0.984″
Case	FC	OAL Min	0.940″

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
100 (L)	**No.2**	3.2	830	**No.2**	3.6	943	17,000	0.950″	Penny's
	No.5	4.1	811	**No.5**	4.5	922	16,900		SAECO 371
HDY 90 XTP	**No.2**	3.3	818	**No.2**	3.7	930	17,000	0.960″	
	No.5	4.3	810	**No.5**	4.8	920	16,700		
SRA 95 FMJ	**No.2**	3.3	822	**No.2**	3.7	934	14,600	0.945″	
	No.5	4.3	784	**No.5**	4.8	891	14,000		
HDY 100 FMJ	**No.2**	3.1	698	**No.2**	3.4	793	16,300	0.975″	
	No.5	4.4	788	**No.5**	4.9	895	17,000		

9x18mm MAKAROV



Developed by the Soviets after WWII, this cartridge is not a true 9mm since Makarov pistols typically have a bore diameter of .365″. The round is more comparable to the .380 than to the 9mm Luger in power.

The recent influx of inexpensive handguns chambered for the 9x18mm Makarov has prompted the development of loaded ammunition and reloading components.

There is currently no SAAMI pressure limit for the 9x18mm Makarov. Factory ammunition fired in our test barrel produced pressures of 21,600 C.U.P.

9x18mm MAKAROV

Gun	HS	Max Length	.710″
Barrel Length	3.75″	Trim Length	.700″
Primer	WSP	OAL Max	.970″
Case	STARLINE	OAL Min	--

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
95 (L) RN	**No.2**	3.6	900	**No.2**	4.0	1023	17,200	0.955″	LY364653
	No.5	4.7	931	**No.5**	5.2	1058	17,200		
	No.7	6.5	921	**No.7**	7.2	1047	16,300		
HDY 95 XTP	**No.2**	3.8	918	**No.2**	4.2	1043	19,500	0.965″	
	No.5	5.0	936	**No.5**	5.6	1064	19,000		
	No.7	6.5	915	**No.7**	7.2	1040	18,100		
SRA 95 JHP	**No.2**	3.8	895	**No.2**	4.2	1017	17,900	0.965″	
	No.5	5.0	934	**No.5**	5.6	1061	19,400		
	No.7	6.5	919	**No.7**	7.2	1044	18,200		
SRA 100 FPJ	**No.2**	3.7	869	**No.2**	4.1	987	18,800	0.965″	
	No.5	4.7	853	**No.5**	5.2	969	16,600		
	No.7	6.5	907	**No.7**	7.2	1031	18,500		

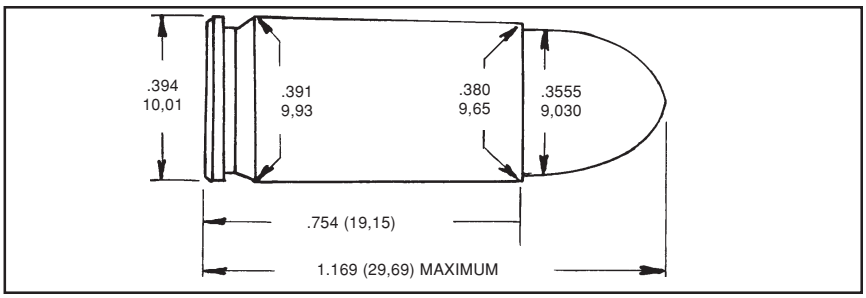
9mm LUGER

	Gun	OBERMEYER TEST BBL.	Case	Max length	0.754 "
	Barrel length	4"		Min length	0.744 "
	Primer	Win SP		COL max	1.169 "
	Case	Federal		COL min	1.000 "

Bullet	Start loads			Maximum loads				Cartridge	
	Powder	Grains	Vel.	Powder	Grains	Vel	CUP	length	Comment
115 (L)	**No. 2**	4.6	1008	**No. 2**	5.2	1146	32900	1.100"	
SWC	**No. 5**	5.7	1040	**No. 5**	6.3	1182	33000		
	No. 7	7.8	1078	**No. 7**	8.7	1225	33000		
125 (L)	**No. 2**	4.2	935	**No. 2**	5.0	1123	30100	1.100"	
RN	**No. 5**	5.6	997	**No. 5**	6.2	1133	32800		
	No. 7	7.5	1017	**No. 7**	8.3	1156	32500		
130 (L)	**No. 2**	4.0	895	**No. 2**	4.6	1017	31100	1.095"	
RN	**No. 5**	5.4	1018	**No. 5**	6.0	1157	33000		
	No. 7	7.4	1030	**No. 7**	8.2	1170	33000		
145 (L)	**No. 2**	3.9	845	**No. 2**	4.3	956	31000	1.140"	
RN	**No. 5**	4.6	866	**No. 5**	5.1	984	26800		
	No. 7	6.5	926	**No. 7**	7.2	1052	29500		
90 PMC	**No. 2**	5.2	1133	**No. 2**	5.8	1287	33000	1.095"	
JHP	**No. 5**	6.8	1209	**No. 5**	7.5	1374	33000		
	No. 7	8.6	1158	**No. 7**	9.5	1316	31200		

Bullet	Start loads			Maximum loads				Cartridge	
	Powder	Grains	Vel.	Powder	Grains	Vel	CUP	length	Comment
100 HDY	**No. 2**	4.9	1067	**No. 2**	5.4	1213	33000	1.095"	
FMJ	**No. 5**	6.3	1091	**No. 5**	7.0	1240	29800		
	No. 7	8.1	1103	**No. 7**	9.0	1253	29800		
115 HDY	**No. 2**	4.7	1038	**No. 2**	5.2	1145	29900	1.095"	
FMJ	**No. 5**	6.3	1049	**No. 5**	7.0	1192	31400		
	No. 7	7.9	1052	**No. 7**	8.8	1196	29700		
124 HDY	**No. 2**	4.2	930	**No. 2**	4.7	1057	29500	1.095"	
RN	**No. 5**	5.8	1069	**No. 5**	6.4	1200	33000		
	No. 7	7.2	1026	**No. 7**	8.0	1166	29800		
130 PMC	**No. 2**	4.1	906	**No. 2**	4.5	1009	30900	1.095"	
FMJ	**No. 5**	5.3	929	**No. 5**	5.9	1060	33000		
	No. 7	7.3	1004	**No. 7**	8.1	1141	31500		
147 SPR	**No. 2**	3.6	781	**No. 2**	4.0	888	29200	1.095"	
TMJ	**No. 5**	4.8	872	**No. 5**	5.3	991	30900		
	No. 7	6.5	921	**No. 7**	7.2	1047	31900		

9mm LUGER



Semi-automatic carbines chambered for the 9mm Luger cartridge are intended only for informal target shooting or plinking. Although there are numerous models of select fire weapons produced for military and law enforcement agencies, these are not generally available to the shooting public.

All loads shown below produced a small velocity increase when fired from the carbine. The velocity increase was more pronounced with the lighter bullet weights.

The SAAMI Maximum Average Pressure for the 9mm Luger cartridge is 33,000 C.U.P.

9mm LUGER

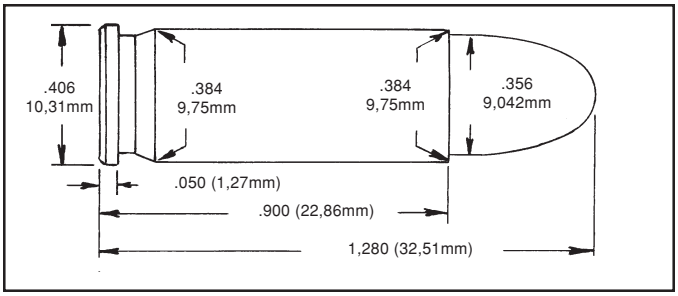
Gun	IVER JOHNSON	Max Length	0.754″
Barrel Length	18″	Trim Length	0.744″
Primer	WIN SP	OAL Max	1.169″
Case	FED	OAL Min	1.095″

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
PMC 90 JHP	**No.2**	4.8	1331	**No.2**	5.3	1512	33,000	1.095″	
	No.5	6.8	1343	**No.5**	7.5	1526	33,000		
	No.7	8.6	1377	**No.7**	9.5	1565	31,200		
IMI 95 FMJ	**No.2**	4.8	1241	**No.2**	5.3	1410	33,000	1.080″	
	No.5	6.5	1294	**No.5**	7.2	1470	30,700		
	No.7	8.2	1308	**No.7**	9.1	1486	29,100		
HDY 100 FMJ	**No.2**	4.9	1245	**No.2**	5.4	1415	33,000	1.095″	
	No.5	6.3	1289	**No.5**	7.0	1465	29,800		
	No.7	8.1	1301	**No.7**	9.0	1478	29,800		
HDY 115 FMJ	**No.2**	4.0	1199	**No.2**	4.4	1362	29,900	1.095″	
	No.5	6.3	1261	**No.5**	7.0	1433	31,400		
	No.7	7.9	1263	**No.7**	8.8	1435	29,700		
HDY 124 RN	**No.2**	3.7	1103	**No.2**	4.1	1253	29,500	1.095″	
	No.5	5.9	1166	**No.5**	6.5	1325	33,000		
	No.7	7.7	1223	**No.7**	8.5	1390	29,800		

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
PMC 130 FMJ	**No.2**	4.2	1016	**No.2**	4.7	1155	30,900	1.095″	
	No.5	5.4	1078	**No.5**	6.0	1225	33,000		
	No.7	7.3	1158	**No.7**	8.1	1316	31,500		
Elite 135 FMJ	**No.2**	4.0	971	**No.2**	4.4	1103	27,500	1.095″	
	No.5	5.5	1081	**No.5**	6.1	1228	33,000		
	No.7	6.8	1099	**No.7**	7.5	1249	31,000		
SPR 147 TMJ	**No.2**	3.6	889	**No.2**	4.0	1010	29,200	1.095″	
	No.5	4.8	964	**No.5**	5.3	1095	30,900		
	No.7	6.5	1025	**No.7**	7.2	1165	31,900		

.38 AUTOMATIC (.38 ACP)

Designed by John Browning for Colt in 1900, this is the original cartridge that became known in 1929 as the .38 Super, the difference being an increase in pressure to improve the performance in the weapons for which it was chambered.



This data can also be used for loading the **9mm Steyr**, **9mm Largo** and the **9mm Bergmann-Bayard**.

The SAAMI Maximum Average Pressure for the .38 Auto is 23,000 C.U.P.

.38 AUTOMATIC

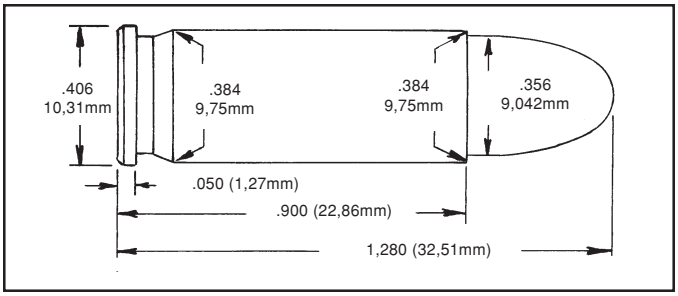
Gun	WILSON	Max Length	0.900″
Barrel Length	5″	Trim Length	0.890″
Primer	CCI 500	OAL Max	1.280″
Case	PMC	OAL Min	1.220″

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
HDY 115 XTP	**No.2**	4.3	950	**No.2**	4.8	1030	23,000	1.225″	
	No.5	5.9	979	**No.5**	6.5	1113	22,400		
	No.7	7.4	980	**No.7**	8.2	1125	23,000		
HDY 124 XTP	**No.2**	4.3	912	**No.2**	4.8	1036	23,000	1.265″	
	No.5	5.7	945	**No.5**	6.3	1074	23,000		
	No.7	7.2	966	**No.7**	8.0	1103	23,000		
SRA 130 FMJ	**No.2**	4.0	876	**No.2**	4.5	995	23,000	1.300″	*
	No.5	5.5	892	**No.5**	6.1	1014	22,200		
	No.7	7.2	938	**No.7**	8.0	1066	23,000		

* Over SAAMI MAX OAL

.38 SUPER AUTOMATIC (+P)

An updated, high pressure version of the .38 ACP. Its popularity improved dramatically when IPSC competitors found they could use **Accurate No.7** and **No. 9** with heavier bullets and make Major Power Factor.



The SAAMI Maximum Average Pressure for the .38 Super is 33,000 C.U.P.

.38 SUPER AUTOMATIC (+P)

Gun	WILSON	Max Length	0.900″
Barrel Length	5″	Trim Length	0.890″
Primer	CCI 500	OAL Max	1.280″
Case	PMC	OAL Min	1.220″

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
115 (L) SWC	**No.2**	4.3	992	**No.2**	4.8	1133	33,000	1.285″	** Lane
	No.5	6.8	1115	**No.5**	7.6	1267	32,600		
	No.7	8.8	1162	**No.7**	9.8	1320	33,000		
	No.9	11.3	1209	**No.9**	12.5	1374	32,400		Compressed
125 (L) RN	**No.2**	4.6	1030	**No.2**	5.1	1171	33,000	1.220″	CP
	No.5	6.5	1100	**No.5**	7.2	1260	33,000		
	No.7	8.6	1133	**No.7**	9.6	1287	33,000		
	No.9	10.8	1177	**No.9**	12.0	1338	31,200		Compressed
130 (L) RN	**No.2**	4.0	970	**No.2**	4.4	1102	33,000	1.220″	Clements
	No.5	6.3	1043	**No.5**	7.0	1185	31,900		
	No.7	8.1	1095	**No.7**	9.0	1244	32,000		
	No.9	10.4	1106	**No.9**	11.5	1257	29,100		Compressed
140 (L) SWC	**No.2**	4.3	948	**No.2**	4.8	1077	32,500	1.340″	** CP
	No.5	6.2	1015	**No.5**	6.9	1158	33,000		
	No.7	7.8	1033	**No.7**	8.7	1180	33,000		
	No.9	9.9	1079	**No.9**	11.0	1226	30,400		
145 (L) RN	**No.2**	4.3	949	**No.2**	4.8	1078	33,000	1.250″	CP
	No.5	6.1	1028	**No.5**	6.8	1168	33,000		
	No.7	7.7	1025	**No.7**	8.5	1165	31,400		
	No.9	9.5	1062	**No.9**	10.5	1207	30,700		Compressed *

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
160 (L) RN	**No.2**	4.1	902	**No.2**	4.5	1025	32,500	1.250″	CP
	No.5	5.4	922	**No.5**	6.0	1048	33,000		
	No.7	7.2	981	**No.7**	8.0	1115	32,800		*
	No.9	8.6	982	**No.9**	9.5	1116	29,500	1.280″	Compressed*
SPR 90 JHP	**No.2**	5.2	1200	**No.2**	5.8	1379	33,000	1.195″	
	No.5	8.6	1370	**No.5**	9.6	1557	33,000		
	No.7	10.2	1324	**No.7**	11.3	1504	31,800		
IMI 95 FMJ	**No.2**	5.1	1161	**No.2**	5.7	1323	33,000	1.225″	
	No.5	8.2	1262	**No.5**	9.1	1434	31,500		
	No.7	10.3	1294	**No.7**	11.4	1471	31,700		
HDY 100 FMJ	**No.2**	5.3	1148	**No.2**	5.9	1300	33,000	1.240″	
	No.5	7.8	1252	**No.5**	8.7	1423	33,000		
	No.7	9.9	1270	**No.7**	11.0	1450	33,000		
	No.9	12.2	1256	**No.9**	13.5	1427	29,300		Compressed
HDY 115 FMJ	**No.2**	5.1	1056	**No.2**	5.7	1200	32,200	1.240″	
	No.5	7.5	1162	**No.5**	8.3	1321	33,000		
	No.7	9.3	1186	**No.7**	10.3	1340	33,000		
	No.9	11.7	1228	**No.9**	13.0	1395	32,800		Compressed
IMI 124 FMJ	**No.2**	4.9	1023	**No.2**	5.4	1163	32,200	1.245″	
	No.5	6.8	1079	**No.5**	7.6	1230	33,000		
	No.7	8.6	1111	**No.7**	9.6	1263	31,700		
	No.9	11.3	1184	**No.9**	12.5	1346	33,000		Compressed
PMC 130 FMJ	**No.2**	4.7	978	**No.2**	5.2	1116	33,000	1.250″	
	No.5	6.6	1057	**No.5**	7.3	1201	33,000		
	No.7	8.3	1060	**No.7**	9.2	1209	33,000		
	No.9	10.7	1148	**No.9**	11.9	1305	33,000		Compressed
RAN 130 RN	**No.2**	4.5	961	**No.2**	5.0	1093	30,100	1.280″	
	No.5	6.3	1011	**No.5**	7.0	1149	29,000		
	No.7	8.4	1087	**No.7**	9.4	1236	31,400		
	No.9	9.9	1061	**No.9**	11.0	1206	27,100		Compressed
CP 135 FMJ	**No.2**	4.9	1000	**No.2**	5.2	1140	33,000	1.250″	
	No.5	6.3	1003	**No.5**	7.0	1140	31,400		
	No.7	8.3	1045	**No.7**	9.0	1190	33,000		
	No.9	9.6	1055	**No.9**	10.7	1199	27,100		
SPR 147 TMJ	**No.2**	4.4	913	**No.2**	4.9	1038	33,000	1.230″	
	No.5	6.1	970	**No.5**	6.8	1100	33,000		
	No.7	7.8	1008	**No.7**	8.7	1146	31,500		
	No.9	9.2	1034	**No.9**	10.2	1175	29,400		
CP 150 FMJ	**No.2**	4.3	913	**No.2**	4.8	1038	32,300	1.250″	
	No.5	5.9	946	**No.5**	6.5	1075	30,100		
	No.7	7.7	1010	**No.7**	8.5	1148	32,700		
	No.9	8.7	978	**No.9**	9.7	1111	27,900		

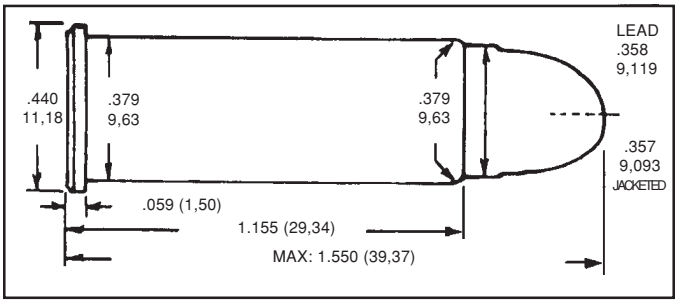
.38 SUPER AUTOMATIC (+P) (continued)

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
SRA 150 FMJ	**No.2**	4.8	932	**No.2**	5.3	1059	32,400	1.280″	
	No.5	5.8	970	**No.5**	6.5	1100	33,000		
	No.7	7.6	975	**No.7**	8.5	1115	33,000		
	No.9	9.9	1082	**No.9**	11.0	1229	33,000		*
HDY 158 JHP	**No.2**	3.9	850	**No.2**	4.3	970	33,000	1.250″	
	No.5	5.6	903	**No.5**	6.2	1026	31,400		
	No.7	7.2	936	**No.7**	8.0	1064	31,000		
	No.9	8.7	986	**No.9**	9.7	1121	31,000		*
RAN 151 RN	**No.2**	4.4	917	**No.2**	4.9	1043	31,100	1.280″	
	No.5	5.7	953	**No.5**	6.3	1083	30,700		
	No.7	7.7	1007	**No.7**	8.6	1145	30,900		
	No.9	8.9	955	**No.9**	9.9	1086	26,600		Compressed

* Major Power Factor
** Over SAAMI MAX OAL

.38 SMITH & WESSON SPECIAL

The .38 S&W Special continues to be the most popular handgun cartridge in the U.S. It is very accurate and is widely used for competitive shooting.



Also known as the .38 Colt Special, or more generally as the .38 Special, it was introduced by Smith & Wesson in 1902 for their military and police model revolver.

This is an excellent cartridge for the novice handgunner due to its inherent accuracy and low recoil. The .38 Special is also a popular sporting cartridge. Its hunting use should be restricted to small game at close range.

The SAAMI Maximum Average Pressure for the .38 S&W Special is 17,000 P.S.I.

.38 SMITH & WESSON SPECIAL

Gun	S&W K-38	Max Length	1.155″
Barrel Length	8-3/8″	Trim Length	1.135″
Primer	CCI 500	OAL Max	1.550″
Case	HDY	OAL Min	1.145″ (Wadcutter)

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	P.S.I.	Cartridge Length	Comment
148 (L) DEWC	**N100**	2.4	759	**N100**	2.7	863	15,300	1.252"	CP
	S1000	2.4	730	**S1000**	2.7	830	15,100		
	No.2	3.2	748	**No.2**	3.5	850	16,000		
	No.5	4.5	803	**No.5**	5.0	912	16,500		
148 (L) HBWC	**N100**	2.5	776	**N100**	2.8	882	17,500	1.152"	HDY
	S1000	2.5	736	**S1000**	2.8	837	15,800		
	No.2	2.6	634	**No.2**	2.9	720	15,500		
	No.5	3.6	710	**No.5**	4.0	807	16,200		
158 (L) SWC	**N100**	2.9	786	**N100**	3.3	894	16,600	1.481"	Bull-X
	S1000	3.0	754	**S1000**	3.4	857	14,900		
	No.2	3.6	764	**No.2**	4.0	868	14,100		
	No.5	5.3	827	**No.5**	5.9	940	16,100		
173 (L) SWC	**No.2**	3.6	721	**No.2**	4.0	819	16,300	1.515″	LY358429
	No.5	4.9	766	**No.5**	5.4	870	16,500		
195 (L) RN	**No.2**	3.2	706	**No.2**	3.5	803	16,900	1.550″	LY358430
	No.5	4.5	740	**No.5**	5.0	841	14,900		
	No.7	5.9	786	**No.7**	6.5	894	15,200		

.38 SMITH & WESSON SPECIAL (continued)

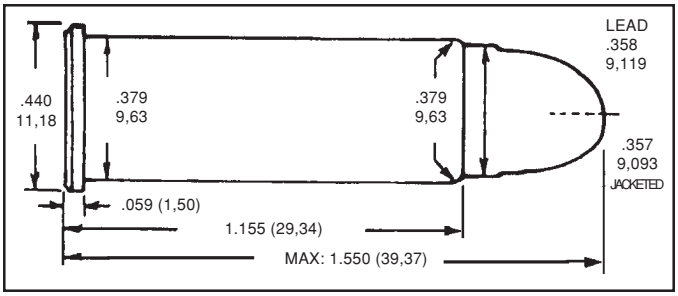
Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	P.S.I.	Cartridge Length	Comment
HDY 110 XTP	**N100**	3.9	1014	**N100**	4.4	1153	15,900	1.435"	
	S1000	3.9	962	**S1000**	4.4	1094	16,800		
	No.2	5.0	953	**No.2**	5.6	1083	16,800		
	No.5	6.6	959	**No.5**	7.3	1090	16,600		
SPR 125 JHP	**N100**	3.7	907	**N100**	4.1	1031	14,800	1.445"	
	S1000	3.7	888	**S1000**	4.1	1010	15,700		
	No.2	4.8	871	**No.2**	5.3	990	16,800		
	No.5	6.1	757	**No.5**	6.8	860	16,300		
RAN 125 FP	**No.2**	4.2	953	**No.2**	4.7	1083	17,000	1.430″	
	No.5	6.5	1030	**No.5**	7.2	1171	17,000		
SPR 140 JHP	**N100**	3.5	821	**N100**	3.9	933	16,900	1.445"	
	S1000	3.5	782	**S1000**	3.9	889	16,600		
	No.2	4.2	781	**No.2**	4.7	888	16,700		
	No.5	5.8	757	**No.5**	6.4	860	16,700		
RAN 148 DEWC	**No.2**	2.8	701	**No.2**	3.1	797	16,500	1.175″	
	No.5	4.5	768	**No.5**	5.0	873	15,900		
NOS 150 JHP	**N100**	3.3	791	**N100**	3.7	899	15,800	1.450"	
	S1000	3.3	755	**S1000**	3.7	859	16,200		
	No.2	4.2	751	**No.2**	4.7	853	17,000		
	No.5	5.9	715	**No.5**	6.5	813	16,600		
HDY 158 XTP	**N100**	2.9	691	**N100**	3.2	786	14,400	1.445"	
	S1000	3.1	702	**S1000**	3.4	798	15,900		
	No.2	3.6	665	**No.2**	4.0	756	16,500		
	No.5	5.2	740	**No.5**	5.8	841	16,500		
RAN 158 HP	**No.2**	3.4	739	**No.2**	3.8	840	16,500	1.430″	
	No.5	5.4	830	**No.5**	6.0	944	16,700		
RAN 158 RN	**No.2**	3.3	757	**No.2**	3.7	861	16,600	1.430″	
	No.5	5.1	829	**No.5**	5.7	943	16,900		
RAN 158 FN	**No.2**	3.3	727	**No.2**	3.7	827	16,100	1.430″	
	No.5	5.3	836	**No.5**	5.9	951	16,100		
Shot Capsules*									
105 SC	**No.5**	5.4	910	**No.5**	6.0	1035	16,500	1.500″	

* Shot capsules using 105 grains of No.9 shot.

.38 SMITH & WESSON SPECIAL (+P)

This is a higher pressure loading of the popular .38 S&W Special. This was originally developed for use by law enforcement agencies.

The SAAMI Maximum Average Pressure for the .38 S&W Special +P is 18,500 P.S.I.

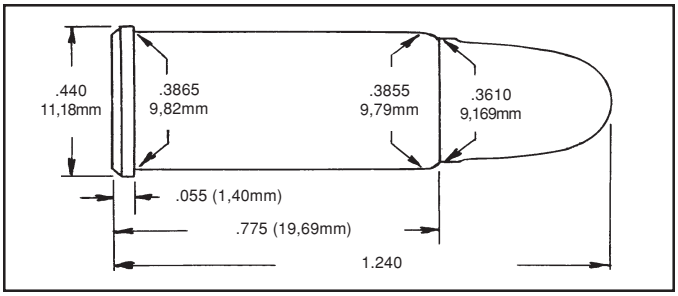


.38 SMITH & WESSON SPECIAL (+P)

Gun	S&W K-38	Max Length	1.155″
Barrel Length	8-3/8″	Trim Length	1.135″
Primer	CCI 500	OAL Max	1.550″
Case	HDY	OAL Min	1.400″

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	P.S.I.	Cartridge Length	Comment
158 (L) SWC	**No.2**	4.2	879	**No.2**	4.7	999	18,500	1.481″	Bull-X
	No.5	5.6	880	**No.5**	6.2	1000	18,400		
173 (L) SWC	**No.2**	3.8	748	**No.2**	4.2	850	18,000	1.515″	LY358429
	No.5	5.0	792	**No.5**	5.6	900	17,900		
HDY 110 XTP	**No.2**	5.2	996	**No.2**	5.8	1132	17,800	1.435″	
	No.5	6.8	1046	**No.5**	7.5	1189	17,400		
SPR 125 JHP	**No.2**	5.0	899	**No.2**	5.5	1022	17,700	1.445″	
	No.5	6.4	810	**No.5**	7.1	920	17,300		
SPR 140 JHP	**No.2**	4.4	775	**No.2**	4.9	881	18,300	1.445″	
	No.5	6.0	778	**No.5**	6.7	884	17,800		
NOS 150 JHP	**No.2**	4.4	791	**No.2**	4.9	899	17,600	1.450″	
	No.5	6.0	757	**No.5**	6.7	860	18,200		
HDY 158 XTP	**No.2**	3.8	702	**No.2**	4.2	798	17,800	1.445″	
	No.5	5.4	792	**No.5**	6.0	900	18,500		

.38 SMITH & WESSON



The .38 S&W was developed in the late 1800s for use in Smith & Wesson's top-break revolvers. It was adapted as a British service load for the Webley revolver and called the .380/200. The British concluded that the shocking power of the 200 grain lead bullet loaded in this cartridge was of equal effectiveness as their older .45 caliber military cartridge. The U.S. Postal Service for many years used revolvers chambered for the .38 S&W cartridge for their security work.

The bore dimensions of handguns chambered for the .38 S&W tend to be somewhat larger than those in the .38 Special. For best results, the use of a cast bullet correctly fitted to the gun's cylinder and barrel dimensions is recommended.

The SAAMI Maximum Average Pressure for the .38 Smith & Wesson is 13,000 C.U.P.

.38 SMITH & WESSON

Gun	OBERMEYER	Max Length	0.775″
Barrel Length	7˚″	Trim Length	0.755″
Primer	WSP	OAL Max	1.240″
Case	WW	OAL Min	1.160″

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
158 (L) SWC	**N100**	2.1	635	**N100**	2.3	722	9,300	1.120″	CP Bullets
	No.2	2.5	664	**No.2**	2.8	754	10,700		
	No.5	3.3	675	**No.5**	3.7	767	10,100		
195 (L) RN	**No.2**	2.1	574	**No.2**	2.3	653	12,700	1.240"	Penny's
	No.5	2.7	539	**No.5**	3.0	613	10,600		

.38 SPECIAL

Gun	TEST BARREL	Max Length	1.155"
Barrel Length	9″	Trim Length	1.135"
Primer	CCI 500	OAL Max	1.550"
Case	HDY	OAL Min	1.145" (Wadcutter)

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	Pressure C.U.P.	Cartridge Length	Comment
LY 130 (L) SWC	**Nitro 100**	3.0	835	**Nitro 100**	3.3	949	13,100	1.420"	
	Solo 1000	3.1	803	**Solo 1000**	3.4	913	11,500		
BLX 158 (L) SWC	**Nitro 100**	3.0	790	**Nitro 100**	3.3	898	16,600	1.481"	
	Solo 1000	3.1	754	**Solo 1000**	3.4	857	14,900		
	No.2	3.6	764	**No.2**	4.0	868	14,100		
	No.5	5.3	821	**No.5**	5.9	940	16,100		

.357 Magnum

Gun	Test Barrel	Case	Max length	1.290	"
Barrel length	6"		Min length	1.270	"
Primer	CCI 500		COL max	1.590	"
Case	R-P		COL min	1.540	"

Bullet	Start loads			Maximum loads				Cartridge	
	Powder	Grains	Vel.	Powder	Grains	Vel	CUP	length	Comment
150 (L)	**No. 2**	7.3	1276	**No. 2**	8.1	1348	44000	1.580"	
RN	**No. 5**	8.5	1125	**No. 5**	9.4	1280	41900		
	No. 7	10.3	1167	**No. 7**	11.4	1327	44000		
	No. 9	12.9	1238	**No. 9**	14.3	1406	42100		
158 (L)	**No. 2**	7.2	1229	**No. 2**	8.0	1296	44300	1.580"	
SWC	**No. 5**	8.1	1073	**No. 5**	9.0	1219	39100		
	No. 7	9.9	1119	**No. 7**	11.0	1272	42600		
	No. 9	12.2	1187	**No. 9**	13.5	1349	41300		
173 (L)	**No. 2**	6.5	1098	**No. 2**	7.2	1206	41100	1.660"	
SWC	**No. 5**	8.6	1148	**No. 5**	9.5	1262	43500		
	No. 7	9.5	1078	**No. 7**	10.6	1225	41600		
	No. 9	12.2	1172	**No. 9**	13.5	1332	42700		
	5744	13.0	1077	**5744**	14.5	1225	34400		Pressure in PSI

Bullet	Start loads			Maximum loads				Cartridge	
	Powder	Grains	Vel.	Powder	Grains	Vel	CUP	length	Comment
180 (L)	**No. 2**	5.9	986	**No. 2**	6.5	1082	42500	1.675"	
TCGC	**No. 5**	7.7	991	**No. 5**	8.5	1126	42300		
	No. 7	9.0	1009	**No. 7**	10.0	1147	43400		
	No. 9	11.3	1084	**No. 9**	12.6	1231	40200		
	5744	11.7	975	**5744**	13.0	1108	33500		Pressure in PSI
SPR 110	**No. 2**	8.8	1395	**No. 2**	9.8	1573	44100	1.575"	
JHP	**No. 5**	10.8	1457	**No. 5**	12.0	1656	41600		
	No. 7	12.6	1465	**No. 7**	14.0	1665	41700		
	No. 9	16.6	1589	**No. 9**	18.4	1805	43700		
HDY 125	**No. 2**	8.3	1292	**No. 2**	9.2	1427	43800	1.575"	
XTP	**No. 5**	10.4	1369	**No. 5**	11.5	1555	42800		
	No. 7	11.9	1374	**No. 7**	13.2	1562	42700		
	No. 9	15.3	1482	**No. 9**	17.0	1685	45100		
SPR 140	**No. 2**	6.9	1150	**No. 2**	7.6	1286	43900	1.575"	
JHP	**No. 5**	9.9	1292	**No. 5**	11.0	1469	43200		
	No. 7	11.0	1267	**No. 7**	12.2	1440	43600		
	No. 9	13.9	1346	**No. 9**	15.4	1529	43100		
NOS 150	**No. 2**	6.5	1103	**No. 2**	7.2	1209	45000	1.590"	
SP	**No. 5**	9.5	1172	**No. 5**	10.5	1332	42700		
	No. 7	11.8	1234	**No. 7**	12.0	1402	43400		
	No. 9	13.7	1319	**No. 9**	15.2	1499	43000		
HDY 158	**No. 2**	7.5	1136	**No. 2**	8.3	1271	44200	1.580"	
XTP	**No.5**	8.8	1151	**No.5**	9.8	1308	43500		
	No. 7	10.3	1286	**No. 7**	11.4	1462	43900		
	No. 9	13.5	1293	**No. 9**	15.0	1470	44900		
	5744	14.9	1083	**5744**	16.5	1231	31600		Pressure in PSI
SRA 170	**No. 2**	6.7	1053	**No. 2**	7.4	1168	44200	1.565"	
FMJ	**No. 5**	8.3	1100	**No. 5**	9.2	1250	44100		
	No. 7	9.5	1086	**No. 7**	10.5	1233	44600		
	No. 9	12.2	1174	**No. 9**	13.5	1334	45000		
HDY 180	**No. 2**	6.3	992	**No. 2**	7.0	1103	43900	1.575"	
XTP	**No. 5**	8.3	1050	**No. 5**	9.2	1193	44300		
	No. 7	9.3	1053	**No. 7**	10.3	1196	43600		
	No. 9	11.7	1139	**No. 9**	13.0	1293	43000		
	5744	12.6	947	**5744**	14.0	1053	34900		Pressure in PSI
Speer 105grain Shotcapsules #9 Shot	**No. 5**	6.3	1059	**No. 5**	7.0	1204	24200		

.357 MAGNUM

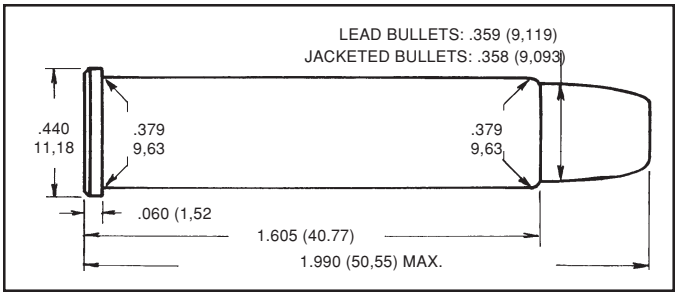
Gun	TEST BARREL	Max Length	1.290"
Barrel Length	6″	Trim Length	1.270"
Primer	CCI 500	OAL Max	1.590"
Case	HDY	OAL Min	1.540"

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	Pressure C.U.P.	Cartridge Length	Comment
LY 148 (L) DEWC	--	--	--	**No.2**	3.0	746	15,000	1.370"	
	--	--	--	**No.2**	4.0	919	20,300		
LY 148 (L) HBWC	--	--	--	**No.2**	2.5	645	13,500	1.320"	
	--	--	--	**No.2**	4.0	913	22,700		
LY 158 (L) SWC	--	--	--	**No.2**	4.0	864	20,000	1.510" *	
	--	--	--	**No.2**	5.0	1008	25,500		

* Seat bullet with front driving band flush with case mouth.

.357 REMINGTON MAXIMUM

The .357 Maximum is a Ruger and Remington co-development, chambered initially in an enlarged Blackhawk revolver. This chambering is also available in the Dan Wesson revolver and the T/C Contender. The .357 Remington Maximum is a popular cartridge for IHMSA revolver class silhouette.



The .357 Maximum is a .357 Magnum case lengthened 0.315″.

The SAAMI Maximum Average Pressure for the .357 Remington Maximum is 48,000 C.U.P.

.357 REMINGTON MAXIMUM

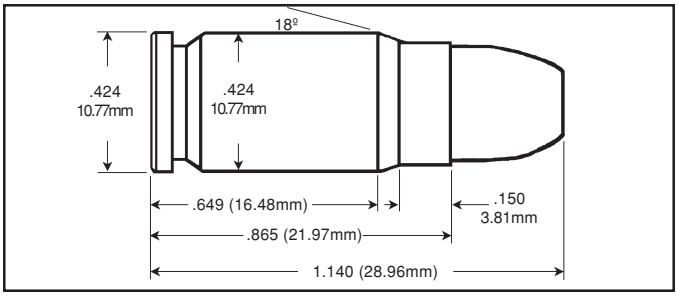
Gun	DOUGLAS	Max Length	1.605″
Barrel Length	14″	Trim Length	1.585″
Primer	CCI BR4	OAL Max	1.990″
Case	REM	OAL Min	1.940″

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
210 (L) FNGC	**5744**	16.3	1335	**5744**	17.0	1518	45,300	1.965"	LY 358627
	1680	18.0	1451	**1680**	20.0	1649	42,200		
	2015	20.7	1374	**2015**	23.0	1561	38,700		Compressed
	2230	21.2	1265	**2230**	23.5	1438	39,800		Compressed
NOS 158 JHP	**5744**	18.9	1606	**5744**	21.0	1825	42,900	1.905"	
	1680	22.8	1758	**1680**	25.3	1998	38,300		
	2015	22.5	1356	**2015**	25.0	1541	22,200		Compressed
	2230	23.9	1390	**2230**	26.5	1580	29,200		Compressed
SRA 170 JHC	**5744**	18.0	1505	**5744**	20.0	1711	42,800	1.875"	
	1680	21.2	1727	**1680**	23.5	1962	38,400		
	2015	22.5	1364	**2015**	25.0	1550	24,800		Compressed
	2230	23.9	1362	**2230**	26.5	1548	31,600		Compressed
HDY 180 SSP *	**5744**	19.8	1567	**5744**	22.0	1781	44,100	2.190"	
	1680	23.9	1732	**1680**	26.5	1968	41,000		
	2015	22.5	1304	**2015**	25.0	1482	21,500		Compressed
	2230	24.3	1377	**2230**	27.0	1565	29,700		Compressed
SPR 200 TMJ	**5744**	16.2	1317	**5744**	18.0	1497	41,700	1.990"	
	1680	19.4	1474	**1680**	21.5	1675	41,900		
	2015	21.6	1347	**2015**	24.0	1531	35,500		Compressed
	2230	23.0	1284	**2230**	25.5	1459	41,300		Compressed

* T/C only

.357 SIG

The .357 Sig is basically the .40 S&W cartridge necked down to take 9mm bullets. This cartridge was developed specifically for the law enforcement market. It is intended to duplicate the ballistics of the highly regarded 125 Grain JHP .357 Magnum load as fired in a 4" barrel revolver.



Reports from the field praise the accuracy of this round. Our No. 9 has proven to be well suited for this round.

This is without a doubt the most ballistically consistent handgun cartridge we have ever worked with. The standard deviation for every single load developed was less than 10 FPS. The average SD was 5 FPS. This is impressive for any cartridge but especially so for a handgun. The small bottleneck and high working pressure of the round must both contribute to this amazing consistency.

The SAAMI Maximum Average Pressure for the .357 Sig is 40,000 P.S.I.

.357 SIG

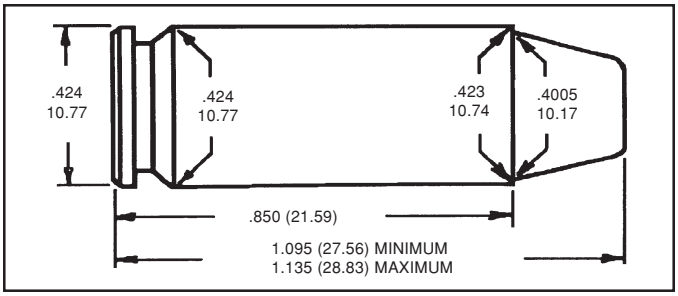
Gun	HS PRECISION	Max Length	0.865"
Barrel Length	4″	Trim Length	0.860"
Primer	FC 100	OAL Max	1.140"
Case	FC	OAL Min	1.120"

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	P.S.I.	Cartridge Length	Comment
115 (L) SWC	**No.2**	5.6	1099	**No.2**	6.2	1249	38,200	1.140″	Lane
	No.5	8.1	1160	**No.5**	9.0	1319	38,500		
	No.7	9.9	1182	**No.7**	11.0	1344	37,800		
	No.9	12.1	1258	**No.9**	13.5	1430	39,000		Compressed
122 (L) FN	**No.2**	5.2	1070	**No.2**	5.8	1217	38,100	1.140"	CP
	No.5	7.9	1144	**No.5**	8.8	1300	37,100		
	No.7	9.6	1162	**No.7**	10.7	1321	37,900		
	No.9	11.7	1217	**No.9**	13.0	1383	36,100		Compressed
147 (L) RN	**No.2**	4.2	923	**No.2**	4.7	1049	36,800	1.140"	Lane
	No.5	6.7	1029	**No.5**	7.5	1170	36,900		
	No.7	8.6	1071	**No.7**	9.6	1218	40,000		Major
	No.9	9.4	1029	**No.9**	10.5	1170	33,000		Compressed
SPR 88 JHP	**No.2**	7.1	1359	**No.2**	7.9	1545	39,100	1.130″	
	No.5	10.0	1422	**No.5**	11.1	1616	39,000		
	No.7	11.8	1408	**No.7**	13.1	1601	39,300		
	No.9	13.5	1359	**No.9**	15.0	1545	32,100		Compressed

.357 SIG (continued)

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	P.S.I.	Cartridge Length	Comment
SRA 95 FMJ	**No.2**	6.8	1290	**No.2**	7.6	1467	37,100	1.135″	
	No.5	10.0	1383	**No.5**	11.0	1572	39,200		
	No.7	11.7	1374	**No.7**	13.0	1562	38,900		
	No.9	13.5	1346	**No.9**	15.0	1530	32,600		Compressed
HDY 100 FMJ	**No.2**	6.6	1244	**No.2**	7.3	1414	38,800	1.140″	
	No.5	9.4	1316	**No.5**	10.5	1496	38,800		
	No.7	11.0	1311	**No.7**	12.2	1490	38,500		
	No.9	13.0	1334	**No.9**	14.5	1516	35,100		Compressed
SFB 100 FP Frangible	**No.2**	5.4	1176	**No.2**	6.0	1337	37,800	1.135″	
	No.5	8.1	1267	**No.5**	9.0	1440	38,800		
	No.7	9.9	1276	**No.7**	11.0	1450	38,400		
	No.9	13.0	1305	**No.9**	14.5	1483	38,100		
HDY 115 XTP	**No.2**	5.7	1122	**No.2**	6.4	1276	38,600	1.140"	
	No.5	8.4	1191	**No.5**	9.4	1354	37,900		
	No.7	10.2	1218	**No.7**	11.3	1385	39,100		
	No.9	12.1	1261	**No.9**	13.5	1434	36,900		Compressed
HDY 124 XTP	**No.2**	5.4	1066	**No.2**	6.0	1212	38,900	1.140"	
	No.5	8.3	1166	**No.5**	9.2	1325	39,600		
	No.7	10.0	1161	**No.7**	11.0	1320	37,100		
	No.9	11.7	1220	**No.9**	13.0	1387	39,100		Compressed
SRA 130 FMJ	**No.2**	5.4	1037	**No.2**	6.0	1179	38,700	1.135"	
	No.5	7.9	1102	**No.5**	8.8	1253	38,300		
	No.7	9.4	1124	**No.7**	10.4	1278	39,300		
	No.9	10.8	1130	**No.9**	12.0	1285	35,900		Compressed
HDY 147 XTP	**No.2**	4.7	933	**No.2**	5.3	1061	39,800	1.140"	
	No.5	7.1	1019	**No.5**	7.9	1159	38,400		
	No.7	8.3	1020	**No.7**	9.2	1160	38,600		
	No.9	9.4	1018	**No.9**	10.5	1158	34,400		Compressed

.40 SMITH & WESSON/.41 AE



Introduced in 1990, this cartridge was developed primarily for the law enforcement market. Guns chambered for the .40 S&W combine high-capacity magazines with acceptable stopping power. It is slightly less powerful than the 10mm Auto — which reduces the probability of over-penetration — but is considerably easier to control during rapid fire.

As a result of testing to optimize terminal ballistics on the 10mm Auto, the FBI adopted a reduced power loading. Smith & Wesson subsequently offered a cartridge with a similar power level chambered in a pistol with a high-capacity magazine.

In an amazingly short period, the .40 S&W has gained wide acceptance throughout the U.S. in the law enforcement field.

The .40 S&W is an easy cartridge to load and gives excellent performance with the complete line of Accurate's handgun propellants.

This data should also prove suitable for loading the **.41 Action Express**. The .41 Action Express has a rebated rim case permitting the owner of a 9mm handgun to change calibers by merely replacing the barrel and magazine. Its performance is nearly identical to that of the .40 S&W.

The SAAMI Maximum Average Pressure for the .40 S&W is 35,000 P.S.I.

.40 SMITH & WESSON / .41 AE

Gun	HS PRECISION	Max Length	0.850″
Barrel Length	4″	Trim Length	0.840″
Primer	CCI 500	OAL Max	1.135″
Case	HDY	OAL Min	1.095″

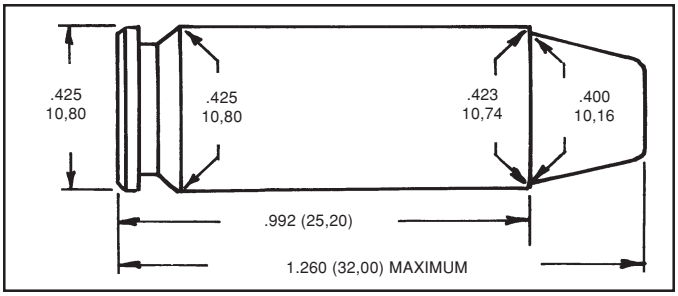
Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	P.S.I.	Cartridge Length	Comment
145 (L) FN	**No.2**	5.9	1016	**No.2**	6.6	1155	33,400	1.115″	Bull-X
	No.5	7.2	1038	**No.5**	8.0	1179	34,900		
	No.7	9.0	1030	**No.7**	10.0	1171	33,700		
	No.9	10.8	988	**No.9**	12.0	1123	29,200		
155 (L) SWC	**No.2**	5.7	982	**No.2**	6.3	1116	34,100	1.130″	Master Cast
	No.5	6.8	1019	**No.5**	7.5	1158	35,000		Major
	No.7	8.7	1008	**No.7**	9.7	1146	34,600		Major
	No.9	10.8	1005	**No.9**	12.0	1142	32,100		Major

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	P.S.I.	Cartridge Length	Comment
175 (L) SWC	**No.2**	4.8	858	**No.2**	5.3	975	34,200	1.115″	CP
	No.5	5.5	868	**No.5**	6.1	986	35,000		
	No.7	7.6	892	**No.7**	8.4	1014	35,000		Major
	No.9	9.2	878	**No.9**	10.2	998	34,900		
185 (L) FN	**No.2**	4.6	829	**No.2**	5.1	942	33,000	1.120″	Co. Custom
	No.5	5.4	858	**No.5**	6.0	975	35,000		Major
	No.7	7.4	871	**No.7**	8.2	990	35,000		Major
	No.9	8.7	841	**No.9**	9.7	956	33,500		
195 (L) FN	**No.2**	4.1	774	**No.2**	4.6	880	34,900	1.110″	Clements
	No.5	4.8	798	**No.5**	5.3	907	35,000		Major
	No.7	6.1	777	**No.7**	6.8	883	34,800		
	No.9	8.1	812	**No.9**	9.0	923	35,000		Major
205 (L) FN	**No.2**	3.9	737	**No.2**	4.3	838	32,400	1.110″	Clements
	No.5	4.5	736	**No.5**	5.0	836	32,600		
	No.7	5.9	744	**No.7**	6.6	845	33,700		
	No.9	7.8	774	**No.9**	8.7	880	35,000		Major
SFB 125 FP Frangible	**No.2**	5.1	1022	**No.2**	5.7	1162	34,700	1.160"	
	No.5	6.0	863	**No.5**	6.7	981	32,900		
	No.7	9.1	1041	**No.7**	10.1	1184	35,300		
SFB 130 SWC Frangible	**S1250**	4.7	949	**S1250**	5.2	1079	33,100	1.125"	
	No.2	4.3	887	**No.2**	4.8	1008	33,300		
	No.5	6.3	938	**No.5**	7.0	1066	33,900		
	No.7	8.3	939	**No.7**	9.2	1068	33,700		
NOS 135 JHP	**No.2**	6.8	1097	**No.2**	7.6	1247	34,700	1.125"	
	No.5	8.4	1114	**No.5**	9.3	1266	34,900		
	No.7	10.1	1089	**No.7**	11.2	1237	33,900		
	No.9		N/R	**No.9**		N/R			
NOS 150 JHP	**No.2**	6.3	1016	**No.2**	7.0	1155	34,200	1.120″	
	No.5	7.5	1030	**No.5**	8.3	1170	35,000		Major
	No.7	9.2	1000	**No.7**	10.2	1136	34,300		
	No.9		N/R	**No.9**		N/R			
RAN 155 FP	**No.2**	5.6	968	**No.2**	6.2	1100	35,000	1.125"	
	No.5	6.9	963	**No.5**	7.7	1095	32,100		
	No.7	9.3	998	**No.7**	10.3	1135	34,300		Major
	No.9	11.7	993	**No.9**	13.0	1129	28,700		Compressed
NOS 170 JHP	**No.2**	5.6	916	**No.2**	6.2	1041	35,000	1.125″	Major
	No.5	6.5	911	**No.5**	7.2	1035	34,000		Major
	No.7	8.4	923	**No.7**	9.3	1049	34,400		Major
	No.9	10.2	902	**No.9**	11.3	1025	30,800		Compressed
SPR 180 JHP	**No.2**	5.1	840	**No.2**	5.7	955	33,800	1.125″	
	No.5	6.3	873	**No.5**	7.0	992	35,000		Major
	No.7	7.9	866	**No.7**	8.8	984	34,400		Major
	No.9	9.9	875	**No.9**	11.0	994	32,100		Major

.40 SMITH & WESSON / .41 AE (continued)

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	P.S.I.	Cartridge Length	Comment
HDY 180 XTP	**No.2**	5.0	851	**No.2**	5.6	967	35,000	1.135″	
	No.5	5.9	849	**No.5**	6.6	965	32,500		
	No.7	7.7	861	**No.7**	8.5	978	34,600		Major
	No.9	9.9	897	**No.9**	11.0	1019	35,000		Major
RAN 180 HP	**No.2**	4.3	794	**No.2**	4.8	903	33,400	1.125"	
	No.5	5.8	849	**No.5**	6.5	965	33,600		
	No.7	7.4	835	**No.7**	8.2	949	33,700		
	No.9	9.6	887	**No.9**	10.7	1008	34,500		Major
RAN 180 FP	**No.2**	4.5	836	**No.2**	5.0	950	35,000	1.120"	
	No.5	6.2	852	**No.5**	6.9	969	33,200		
	No.7	7.6	857	**No.7**	8.5	974	33,100		Major
	No.9	9.6	822	**No.9**	10.7	935	29,500		Compressed
SPR 190 TMJ	**No.2**	5.0	819	**No.2**	5.6	931	32,000	1.125″	Major
	No.5	6.0	828	**No.5**	6.7	950	35,000		Major
	No.7	7.7	848	**No.7**	8.6	964	34,300		Major
	No.9	9.9	877	**No.9**	11.0	997	32,700		Major
SPR 200 TMJ	**No.2**	4.9	791	**No.2**	5.4	899	34,800	1.135″	Major
	No.5	5.7	777	**No.5**	6.3	883	33,100		Major
	No.7	7.5	819	**No.7**	8.3	931	35,000		Major
	No.9	9.5	838	**No.9**	10.6	952	34,500		Major
HDY 200 XTP	**No.2**	4.2	717	**No.2**	4.7	815	33,500	1.130″	
	No.5	5.0	729	**No.5**	5.5	828	33,500		
	No.7	6.7	748	**No.7**	7.4	850	35,000		
	No.9	8.3	759	**No.9**	9.2	863	35,000		Good Load

10mm AUTO



The 10mm Auto was introduced in 1983 along with the Bren Ten semi-automatic pistol by Dornaus and Dixon.

The ammunition was originally loaded by Norma using a 200 grain full metal jacketed bullet with a truncated cone shape. The Bren Ten pistol is now part of history; however, the 10mm Auto cartridge was too good to die and is now chambered by several manufacturers including Colt and Smith & Wesson.

The 10mm Auto provides a handgunner with the power of a .357 Magnum revolver with the increased magazine capacity and rapid reload capability of an automatic pistol.

The SAAMI Maximum Average Pressure for the 10mm Auto is 37,500 P.S.I.

10mm AUTO

Gun	HS PRECISION	Max Length	0.992″
Barrel Length	5″	Trim Length	0.984″
Primer	CCI 300	OAL Max	1.260″
Case	HDY	OAL Min	1.240″

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	P.S.I.	Cartridge Length	Comment
145 (L) FN	**No.2**	6.8	1138	**No.2**	7.5	1293	32,200	1.250″	Bull-X
	No.5	8.7	1190	**No.5**	9.7	1352	33,400		
	No.7	10.8	1203	**No.7**	12.0	1367	33,700		
	No.9	13.5	1251	**No.9**	15.0	1422	32,500		
165 (L) SWC	**No.2**	6.4	1082	**No.2**	7.1	1230	36,000	1.250″	Clements
	No.5	7.8	1085	**No.5**	8.7	1233	31,800		
	No.7	9.9	1120	**No.7**	11.0	1273	35,500		
	No.9	12.6	1174	**No.9**	14.0	1334	32,900		
175 (L) SWC	**No.2**	6.0	1027	**No.2**	6.7	1167	35,300	1.245″	CP
	No.5	7.5	1026	**No.5**	8.3	1166	31,500		
	No.7	9.4	1055	**No.7**	10.4	1199	35,200		
	No.9	12.2	1131	**No.9**	13.6	1285	34,900		
185 (L) FN	**No.2**	5.9	1000	**No.2**	6.6	1136	35,900	1.245″	Co. Custom
	No.5	7.5	1030	**No.5**	8.3	1171	35,800		
	No.7	9.2	1032	**No.7**	10.2	1173	34,500		
	No.9	11.7	1098	**No.9**	13.0	1248	34,700		

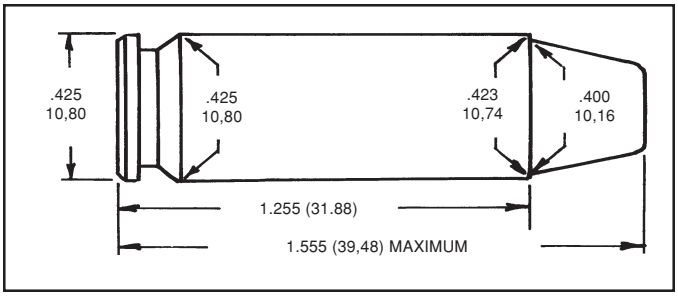
10mm AUTO (continued)

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	P.S.I.	Cartridge Length	Comment
195 (L) FN	**No.2**	5.2	928	**No.2**	5.8	1055	35,500	1.245″	Clements
	No.5	6.6	965	**No.5**	7.3	1097	34,900		
	No.7	8.6	998	**No.7**	9.5	1134	35,400		
	No.9	10.7	1050	**No.9**	11.9	1193	35,600		
205 (L) FN	**No.2**	4.7	862	**No.2**	5.2	979	33,800	1.250″	Clements
	No.5	6.3	935	**No.5**	7.0	1063	35,700		
	No.7	8.4	960	**No.7**	9.3	1091	35,900		
	No.9	10.6	1018	**No.9**	11.8	1157	36,200		
NOS 135 JHP	**No.2**	8.2	1271	**No.2**	9.1	1444	36,300	1.250″	
	No.5	10.3	1323	**No.5**	11.4	1503	36,900		
	No.7	12.2	1299	**No.7**	13.6	1476	34,900		
	No.9	15.8	1326	**No.9**	17.5	1507	29,200		
NOS 150 JHP	**No.2**	7.6	1182	**No.2**	8.4	1343	36,700	1.245″	
	No.5	9.5	1229	**No.5**	10.6	1397	36,900		
	No.7	11.7	1236	**No.7**	13.0	1405	36,400		
	No.9	15.0	1284	**No.9**	16.7	1459	33,000		
HDY 155 JHP	**No.2**	7.2	1140	**No.2**	8.0	1296	35,700	1.250″	
	No.5	9.0	1174	**No.5**	10.0	1334	35,300		
	No.7	11.4	1214	**No.7**	12.7	1379	37,500		
	No.9	14.3	1244	**No.9**	15.9	1414	32,700		
RAN 155 FP	**No.2**	6.1	1087	**No.2**	6.8	1236	36,200	1.260″	
	No.5	8.9	1151	**No.5**	9.9	1309	34,300		
	No.7	11.2	1173	**No.7**	12.4	1333	34,500		
	No.9	13.5	1206	**No.9**	15.0	1371	35,000		
NOS 170 HP	**No.2**	6.9	1074	**No.2**	7.7	1220	36,400	1.250″	
	No.5	8.7	1122	**No.5**	9.7	1275	36,200		
	No.7	10.8	1148	**No.7**	12.0	1305	37,500		
	No.9	13.5	1180	**No.9**	15.0	1341	34,100		
SPR 180 JHP	**No.2**	6.7	1037	**No.2**	7.4	1178	36,700	1.250″	
	No.5	8.3	1069	**No.5**	9.2	1215	37,000		
	No.7	10.3	1084	**No.7**	11.4	1232	36,600		
	No.9	13.1	1135	**No.9**	14.5	1290	32,600		
HDY 180 XTP	**No.2**	6.1	986	**No.2**	6.8	1120	34,300	1.250″	
	No.5	7.8	1053	**No.5**	8.7	1197	36,800		
	No.7	9.6	1041	**No.7**	10.7	1183	35,300		
	No.9	12.2	1093	**No.9**	13.5	1242	34,100		
RAN 180 HP	**No.2**	5.3	947	**No.2**	5.9	1077	35,400	1.260″	
	No.5	7.9	1037	**No.5**	8.8	1179	36,300		
	No.7	9.9	1051	**No.7**	11.0	1195	36,200		
	No.9	12.1	1086	**No.9**	13.5	1235	35,500		
RAN 180 FP	**No.2**	5.5	967	**No.2**	6.1	1099	36,400	1.260″	
	No.5	7.9	1025	**No.5**	8.8	1165	33,700		
	No.7	9.9	1041	**No.7**	11.0	1184	34,000		
	No.9	12.1	1087	**No.9**	13.5	1236	34,200		

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	P.S.I.	Cartridge Length	Comment
SPR 190 TMJ	**No.2**	6.5	991	**No.2**	7.2	1126	34,400	1.250″	
	No.5	8.2	1044	**No.5**	9.1	1186	36,800		
	No.7	10.1	1054	**No.7**	11.2	1198	36,000		
	No.9	12.8	1115	**No.9**	14.2	1267	35,800		
SPR 200 TMJ	**No.2**	6.3	959	**No.2**	7.0	1090	37,500	1.250″	
	No.5	7.8	1003	**No.5**	8.7	1140	37,100		
	No.7	9.6	1007	**No.7**	10.7	1144	36,200		
	No.9	12.2	1056	**No.9**	13.5	1200	36,300		
HDY 200 XTP	**No.2**	5.7	916	**No.2**	6.3	1041	36,700	1.250″	
	No.5	7.0	938	**No.5**	7.8	1066	35,100		
	No.7	8.8	960	**No.7**	9.8	1091	36,500		
	No.9	11.3	1030	**No.9**	12.5	1170	37,000		

10mm MAGNUM

This proprietary cartridge was developed for Irwindale Arms, Inc. for use in their auto loading pistol.



The 10mm Magnum could be thought of as a rimless .401 Power Mag, if anyone should happen to remember Herter's proprietary revolver and cartridge. Both cartridges approximate the .41 Magnum in power.

This cartridge is a lengthened 10mm Auto and is loaded to pressure levels similar to the .44 Magnum for use in the IAI handguns.

10mm MAGNUM

Gun	IAI	Max Length	1.255″
Barrel Length	8″	Trim Length	1.245″
Primer	CCI 300	OAL Max	1.555″
Case	STARLINE	OAL Min	1.500″

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
165 (L) SWC	**No.7**	13.0	1305	**No.7**	14.4	1483	31,400	1.520″	Clements
	No.9	15.1	1356	**No.9**	16.8	1541	30,700		
175 (L) SWC	**No.7**	12.4	1266	**No.7**	13.8	1439	32,100	1.520″	CP
	No.9	14.1	1285	**No.9**	15.7	1460	31,600		
185 (L) FPBB	**No.7**	11.9	1213	**No.7**	13.2	1378	31,400	1.520″	Co. Custom
	No.9	13.5	1231	**No.9**	15.0	1399	30,000		
195 (L) FN	**No.7**	11.5	1199	**No.7**	12.8	1363	31,500	1.500″	Clements
	No.9	12.9	1193	**No.9**	14.3	1356	30,300		
NOS 135 JHP	**No.7**	15.0	1494	**No.7**	16.7	1698	37,200	1.550″	
	No.9	17.8	1551	**No.9**	19.8	1763	36,800		
NOS 150 JHP	**No.7**	14.2	1358	**No.7**	15.8	1543	37,300	1.550″	
	No.9	16.7	1443	**No.9**	18.6	1640	36,300		
HDY 155 JHP	**No.7**	14.0	1371	**No.7**	15.5	1558	36,000	1.555″	
	No.9	16.2	1385	**No.9**	18.0	1574	36,700		
NOS 170 JHP	**No.7**	13.1	1271	**No.7**	14.5	1444	36,100	1.555″	
	No.9	15.3	1324	**No.9**	17.0	1505	35,800		

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
SPR 180 JHP	**No.7**	13.2	1243	**No.7**	14.7	1412	37,600	1.550″	
	No.9	14.9	1280	**No.9**	16.6	1455	38,500		
SRA 190 FPJ	**No.7**	12.8	1206	**No.7**	14.2	1370	39,000	1.550″	
	No.9	14.7	1265	**No.9**	16.3	1438	36,100		
SPR 200 TMJ	**No.7**	12.4	1144	**No.7**	13.8	1300	37,600	1.550″	
	No.9	14.1	1222	**No.9**	15.7	1389	35,200		

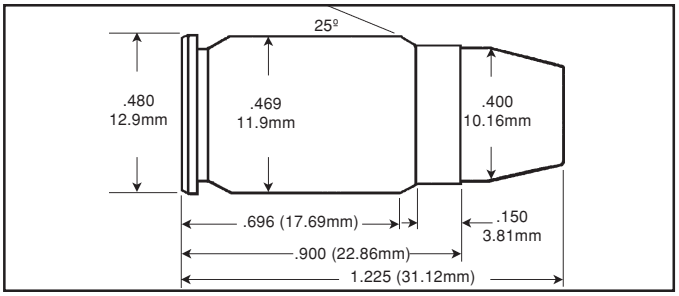
LOAD FOR IAI GUNS ONLY

NOS 135 JHP	**No.9**	20.3	1672	**No.9**	22.5	1900	42,100	1.550″	
NOS 150 JHP	**No.9**	18.9	1558	**No.9**	21.0	1770	42,600	1.550″	
HDY 155 JHP	**No.9**	18.2	1507	**No.9**	20.2	1712	40,000	1.555″	
NOS 170 JHP	**No.9**	17.3	1421	**No.9**	19.2	1615	43,200	1.555″	
SPR 180 JHP	**No.9**	15.8	1323	**No.9**	17.5	1503	42,000	1.555″	
SRA 190 FPJ	**No.9**	15.8	1291	**No.9**	17.5	1467	40,500	1.550″	
SPR 200 TMJ	**No.9**	15.3	1260	**No.9**	17.0	1432	41,500	1.550″	

.400 CORBON

The .400 Corbon was developed by necking a .45 ACP case down to .40 (10 mm). The .400 Corbon brass is available from Starline.

Maximum Average Pressures were based on the 10 mm Auto which are 37,500 P.S.I.



.400 CORBON

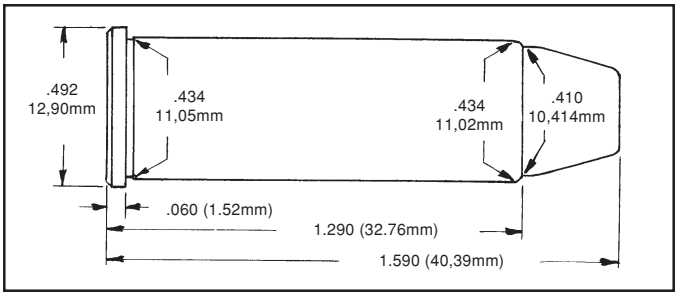
Gun	WISEMAN	Max Length	0.898″
Barrel Length	5″	Trim Length	0.878″
Primer	CCI 350	OAL Max	1.225″
Case	WIN	OAL Min	1.175″

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	P.S.I.	Cartridge Length	Comment
145 (L) FN	**No.2**	5.1	1009	**No.2**	5.7	1147	24,200	1.200″	Bull-X
	No.5	8.1	1017	**No.5**	9.0	1156	21,800		
	No.7	9.7	1037	**No.7**	10.8	1179	20,600		
	No.9	13.5	1220	**No.9**	15.0	1387	31,400		
165 (L) FN	**No.2**	5.5	1031	**No.2**	6.1	1172	33,500	1.200″	Penny's
	No.5	7.2	975	**No.5**	8.0	1109	23,200		
	No.7	8.9	988	**No.7**	9.9	1123	21,800		
	No.9	12.6	1136	**No.9**	14.0	1292	30,400		
170 (L) FN	**No.2**	5.6	1020	**No.2**	6.2	1160	33,200	1.200″	Clements
	No.5	7.0	938	**No.5**	7.8	1067	20,900		
	No.7	8.4	943	**No.7**	9.4	1072	19,800		
	No.9	12.2	1085	**No.9**	13.6	1233	27,200		
SRA 135 JHP	**No.2**	6.7	1180	**No.2**	7.5	1341	35,100	1.200″	
	No.5	10.5	1281	**No.5**	11.7	1456	33,800		
	No.7	12.1	1263	**No.7**	13.5	1436	33,600		
	No.9	14.6	1305	**No.9**	16.2	1484	33,800		
SRA 150 JHP	**No.2**	6.3	1094	**No.2**	7.0	1244	35,200	1.200″	
	No.5	9.9	1198	**No.5**	11.0	1362	34,100		
	No.7	11.2	1183	**No.7**	12.4	1345	33,700		
	No.9	13.7	1216	**No.9**	15.2	1382	32,300		
HDY 155 XTP	**No.2**	6.3	1068	**No.2**	7.0	1214	33,300	1.200″	
	No.5	9.9	1195	**No.5**	11.0	1359	35,100		
	No.7	11.1	1179	**No.7**	12.3	1340	34,900		
	No.9	13.5	1200	**No.9**	15.0	1364	33,200		

.400 CORBON (continued)

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	P.S.I.	Cartridge Length	Comment
SRA 165 GD	**No.2**	6.0	992	**No.2**	6.7	1128	32,000	1.210″	
	No.5	9.4	1122	**No.5**	10.5	1275	34,100		
	No.7	10.6	1098	**No.7**	11.8	1248	33,400		
	No.9	13.2	1158	**No.9**	14.7	1316	33,900		

.41 REMINGTON MAGNUM



The .41 Remington Magnum was introduced in June of 1964 in the new S&W Model 57 revolver. No doubt the individuals most deserving of credit for the origination of this round are Elmer Keith and Bill Jordan.

The original intent of the .41 Magnum was to produce a cartridge for police use that was more effective than the .357 Magnum but not as powerful as the bruising .44 Magnum.

At the time of its introduction, both the police load and a more powerful hunting round were available. The .41 Magnum developed a small, but loyal, following. It's still in production but has not been an overwhelming success. At times both handguns and components chambered for the .41 Magnum are hard to come by. The .41 Magnum is basically the equal of the more popular .44 Magnum (in both accuracy and effectiveness in the field).

The SAAMI Maximum Average Pressure for the .41 Remington Magnum is 40,000 C.U.P, the same as the .44 Remington Magnum.

.41 REMINGTON MAGNUM

Gun	WILSON	Max Length	1.290″
Barrel Length	9½″	Trim Length	1.270″
Primer	CCI 300	OAL Max	1.590″
Case	WW	OAL Min	1.540″

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
210 (L) SWC	**No.2**	8.3	1157	**No.2**	9.2	1315	40,000	1.675″	LY410459
	No.5	11.3	1264	**No.5**	12.5	1436	36,700		*
	No.7	13.1	1269	**No.7**	14.5	1442	37,000		
	No.9	16.2	1392	**No.9**	18.0	1582	38,600		Penny's
	5744	19.3	1259	**5744**	21.5	1431	38,000		
240 (L) RN	**No.2**	7.4	1047	**No.2**	8.2	1190	39,700	1.710″	LY410426
	No.5	10.8	1194	**No.5**	12.0	1357	40,000		*
	No.7	12.6	1197	**No.7**	14.0	1360	37,800		Penny's
	No.9	15.5	1305	**No.9**	17.2	1483	39,300		
	5744	18.0	1173	**5744**	20.0	1334	38,100		
290 (L) FN	**No.7**	10.0	1017	**No.7**	11.2	1156	38,500	1.710"	NEI-SSK
	No.9	12.1	1071	**No.9**	13.5	1218	38,900		*
	5744	13.9	972	**5744**	15.5	1105	35,800		Compressed

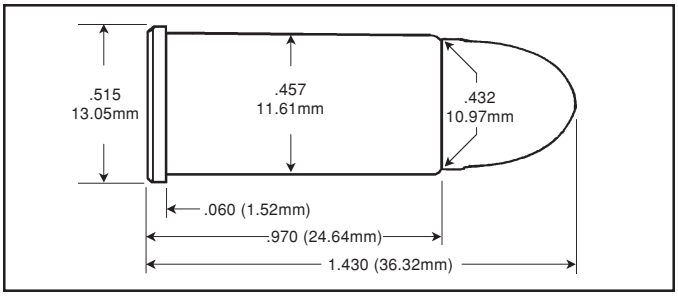
Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
SRA 170 JHP	**No.2**	9.0	1277	**No.2**	10.0	1451	39,600	1.565″	
	No.5	10.8	1314	**No.5**	12.0	1493	37,900		
	No.7	14.0	1368	**No.7**	15.5	1555	37,000		
	No.9	17.7	1500	**No.9**	19.7	1705	37,800		
	5744	21.6	1387	**5744**	24.0	1577	40,000		
HDY 210 XTP	**No.2**	8.6	1096	**No.2**	9.5	1245	40,000	1.570″	
	No.5	10.4	1163	**No.5**	11.5	1322	39,200		
	No.7	12.8	1214	**No.7**	14.2	1379	39,600		
	No.9	16.2	1338	**No.9**	18.0	1521	40,000		
	5744	18.4	1166	**5744**	20.5	1326	36,800		
SRA 220 SIL-FPJ	**No.2**	8.3	1081	**No.2**	9.2	1228	40,000	1.560″	
	No.5	10.4	1153	**No.5**	11.5	1310	39,400		
	No.7	12.8	1200	**No.7**	14.2	1364	39,400		
	No.9	16.2	1316	**No.9**	18.0	1496	37,700		
	5744	18.0	1153	**5744**	20.0	1311	37,700		
RAN 220 FP	**No.2**	7.4	1060	**No.2**	8.2	1205	38,700	1.590″	
	No.5	10.3	1188	**No.5**	11.5	1350	40,000		
	No.7	12.9	1236	**No.7**	14.3	1405	38,300		
	No.9	15.6	1305	**No.9**	17.3	1483	38,800		

* Over SAAMI MAX OAL

DESERT EAGLE

HDY 210 XTP	**No.9**	16.2	1204	**No.9**	18.0	1295	40,000	1.560″	
SRA 220 SIL-FPJ	**No.9**	16.2	1176	**No.9**	18.0	1288	37,700	1.560″	

.44 RUSSIAN



The following loading data has been developed so as to not exceed the pressures of the .44 Smith & Wesson Special. Use of this data must be restricted to those firearms which have been deemed safe for use with smokeless powder by a competent gunsmith. We anticipate the primary use of this load data will be by Cowboy Action shooters who will use .44 Russian brass and loads in order to produce low velocity/recoil loads in competition using modern firearms.

.44 RUSSIAN

Gun	DOUGLAS	Max Length	0.970"
Barrel Length	7½"	Trim Length	0.950"
Primer	CCI 300	OAL Max	1.430"
Case	STARLINE	OAL Min	--

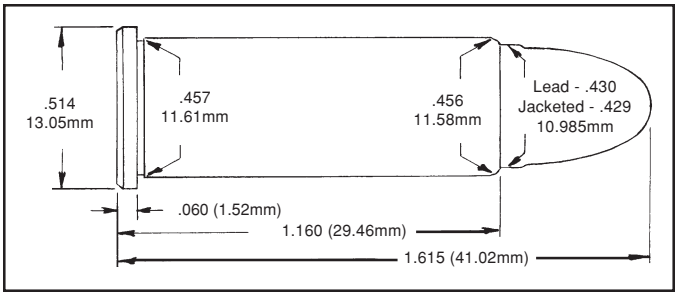
Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
200 (L) FN	**N100**	3.6	768	**N100**	4.0	873	11.700	1.240″	Clements
	S1000	4.1	812	**S1000**	4.6	923	12,900		
	No.2	4.3	826	**No.2**	4.8	939	13,600		
	No.5	6.7	806	**No.5**	7.5	917	12,000		
	5744	12.7	808	**5744**	13.0	919	11,100		
240 (L) SWC	**N100**	3.0	676	**N100**	3.3	769	11,400	1.280″	Bull-X
	S1000	3.3	687	**S1000**	3.7	781	11,000		
	No.2	3.8	725	**No.2**	4.2	824	12,800		
	No.5	5.9	716	**No.5**	6.6	814	11,200		
	5744	10.3	725	**5744**	11.5	824	10,900		

.44 RUSSIAN

Gun	TEST BARREL	Max Length	0.970"
Barrel Length	7½"	Trim Length	0.950"
Primer	CCI 300	OAL Max	1.430"
Case	STARLINE	OAL Min	1.400"

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	Pressure C.U.P.	Cartridge Length	Comment
LY 200 (L) FN	--	--	--	**Nitro 100**	4.0	873	11,700	1.240"	
	--	--	--	**Solo 1000**	4.6	923	12,900		
	--	--	--	**No.2**	4.8	939	13,600		
	--	--	--	**No.5**	7.5	917	12,000		
LY 240 (L) SWC	--	--	--	**Nitro 100**	3.3	769	11,400	1.280"	
	--	--	--	**Solo 1000**	3.7	781	11,000		
	--	--	--	**No.2**	4.2	824	12,800		
	--	--	--	**No.5**	6.6	814	11,200		

.44 SMITH & WESSON SPECIAL



The .44 S&W Special was based on the .44 Russian cartridge case, lengthened by 0.200″. The .44 Special was for many years considered our most accurate big bore revolver cartridge.

It was a favorite of handgunners such as Elmer Keith who developed the .44 Special into a big game handgun cartridge without peer until the advent of the .44 Remington Magnum.

With the introduction of the .44 Remington Magnum, there is no longer any justification to "overload" the .44 Special for hunting purposes. While the newly manufactured Smith & Wesson revolvers and some of the earlier large frame handguns would tolerate these heavy loads, there are many guns still in service which will not. Shooting high pressure loads in .44 Special revolvers is an unacceptable risk. The .44 S&W Special gives excellent results with cast bullets.

The SAAMI Maximum Average Pressure for the .44 S&W Special is 14,000 C.U.P.

.44 SMITH & WESSON SPECIAL

Gun	DOUGLAS	Max Length	1.160″
Barrel Length	7½″	Trim Length	1.140″
Primer	CCI 300	OAL Max	1.615″
Case	MIDWAY	OAL Min	1.560″

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
190 (L) WC	**N100**	3.3	724	**N100**	3.7	823	12,800	1.265"	NBC
	S1000	4.0	740	**S1000**	4.4	842	12,700		
	No.2	3.6	735	**No.2**	4.0	836	12,800		
	No.5	6.1	766	**No.5**	6.7	871	13,200		
200 (L) SWC	**N100**	3.7	762	**N100**	4.1	867	11,100	1.465″	Rucker
	S1000	3.9	715	**S1000**	4.3	813	9,400		
	No.2	4.7	827	**No.2**	5.2	905	14,000		
	No.5	6.4	876	**No.5**	7.4	959	14,000		
	No.7	8.6	873	**No.7**	9.5	992	14,000		
	No.9	10.4	898	**No.9**	11.5	1020	13,900		
215 (L) SWC	**N100**	4.3	780	**N100**	4.8	890	14,000	1.535″	LY429215
	No.2	4.8	790	**No.2**	5.3	900	14,000		Penny's
	No.5	7.0	844	**No.5**	7.8	959	14,000		
	No.7	8.6	839	**No.7**	9.5	953	14,000		
	No.9	10.3	869	**No.9**	11.4	988	13,800		

.44 SMITH & WESSON SPECIAL (continued)

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
245 (L) RN	**N100**	3.4	661	**N100**	3.8	752	14,100	1.600″	LY429383
	S1000	4.0	696	**S1000**	4.5	791	14,000		
	No.2	4.2	721	**No.2**	4.7	819	14,000		Penny's
	No.5	6.1	757	**No.5**	6.8	860	14,000		
	No.7	7.8	792	**No.7**	8.7	900	14,000		
	No.9	9.7	818	**No.9**	10.8	930	14,000		
250 (L) SWC	**N100**	3.8	679	**N100**	4.2	772	14,000	1.575″	LY429421
	S1000	3.9	661	**S1000**	4.3	751	14,000		
	No.2	4.5	711	**No.2**	5.0	808	13,900		
	No.5	6.3	760	**No.5**	7.0	864	14,000		
	No.7	8.1	779	**No.7**	9.0	885	14,000		
	No.9	10.4	832	**No.9**	11.5	946	14,000		
	5744	11.9	692	**5744**	12.5	737	12,600		
HDY 180 JHP	**N100**	4.6	807	**N100**	5.2	920	14,000	1.485″	Good Load
	No.2	5.3	802	**No.2**	5.9	911	14,000		
	No.5	7.8	878	**No.5**	8.7	1000	14,000		
	No.7	9.9	880	**No.7**	10.5	1000	14,000		
	No.9		N/R	**No.9**		N/R			
NOS 200 JHP	**S1000**	4.4	687	**S1000**	4.6	731	12,200	1.490"	
	No.2	4.9	708	**No.2**	5.4	805	14,000		
	No.5	7.2	766	**No.5**	8.0	871	13,000		
	No.7	9.0	825	**No.7**	10.0	938	13,800		
	No.9		N/R	**No.9**		N/R			
IMI 240 JSP	**S1000**	3.6	516	**S1000**	4.0	587	14,100	1.485"	
	No.2	4.1	532	**No.2**	4.5	604	13,900		
	No.5	5.8	640	**No.5**	6.5	730	14,000		
	No.7	7.2	689	**No.7**	8.0	745	14,000		
	No.9		N/R	**No.9**		N/R			
Shot Capsules*									
145 SC	**No.5**	7.4	926	**No.5**	8.2	1053	12,200	1.510"	

* Shot capsules using 145 grains of #9 shot.

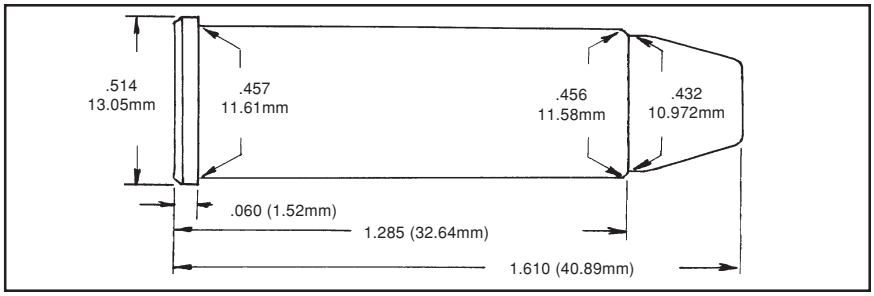
.44 S&W SPECIAL

Gun	TEST BARREL	Max Length	1.160"
Barrel Length	7½″	Trim Length	1.140"
Primer	CCI 300	OAL Max	1.615"
Case	MIDWAY	OAL Min	1.560"

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	Pressure C.U.P.	Cartridge Length	Comment
NBC 190 (L) WC	--	--	--	**Nitro 100**	3.7	823	12,800	1.265"	
	--	--	--	**Solo 1000**	4.4	842	12,700		
	--	--	--	**No.2**	4.0	836	12,800		
	--	--	--	**No.5**	6.7	871	13,200		
LY 200 (L) SWC	--	--	--	**Nitro 100**	4.1	867	11,100	1.465"	
	--	--	--	**Solo 1000**	4.3	813	9,400		
	--	--	--	**No.2**	5.2	905	14,000		
	--	--	--	**No.5**	7.4	959	14,000		
PEN 245 (L) RN	--	--	--	**Nitro 100**	3.8	752	14,100	1.600"	LY 429383
	--	--	--	**Solo 1000**	4.5	791	14,000		
	--	--	--	**No.2**	4.7	819	14,000		
	--	--	--	**No.5**	6.8	860	14,000		
LY 250 (L) SWC	--	--	--	**Nitro 100**	4.2	772	14,000	1.575"	LY 429421
	--	--	--	**Solo 1000**	4.3	751	14,000		
	--	--	--	**No.2**	5.0	808	13,900		
	--	--	--	**No.5**	7.0	864	14,000		

.44 REMINGTON MAGNUM

Historically Americans have found it desirable to have both handguns and lightweight carbines chambered for the same round. The .44 Remington Magnum has proven effective on deer-sized game at moderate ranges as a rifle chambering.



The SAAMI Maximum Average Pressure for the .44 Remington Magnum is 40,000 C.U.P.

.44 REMINGTON MAGNUM

Gun	WIN 94	Max Length	1.285″
Barrel Length	20″	Trim Length	1.265″
Primer	CCI 300	OAL Max	1.610″
Case	WIN	OAL Min	1.535″

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
HDY 180 JHP	**No. 2**	10.0	1419	**No. 2**	11.1	1612	36,500	1.560″	
	No. 5	14.8	1596	**No. 5**	16.4	1814	38,100		
	No. 7	18.5	1705	**No. 7**	20.5	1938	40,000		
	No. 9		N/R	**No. 9**		N/R			
NOS 200 JHP	**No. 2**	9.9	1364	**No. 2**	11.0	1550	39,500	1.595″	
	No. 5	14.2	1504	**No. 5**	15.8	1709	40,000		
	No. 7	16.8	1755	**No. 7**	18.7	1994	37,500		
	No. 9	22.5	1667	**No. 9**	25.0	1894	37,800		
IMI 240 JHP	**No. 2**	9.0	1135	**No. 2**	10.0	1290	38,600	1.560″	
	No. 5	13.0	1307	**No. 5**	14.4	1485	39,800		
	No. 7	15.6	1366	**No. 7**	17.3	1552	40,000		
	No. 9	19.1	1420	**No. 9**	21.3	1625	40,000		
SRA 250 FPJ	**No. 2**	9.5	1091	**No. 2**	10.5	1240	38,400	1.600″	
	No. 5	13.1	1223	**No. 5**	14.5	1390	39,700		
	No. 7	15.3	1298	**No. 7**	17.0	1475	37,700		
	No. 9	18.9	1353	**No. 9**	21.0	1538	39,200		
SRA 300 JSP	**No. 2**	8.7	1056	**No. 2**	9.7	1200	38,700	1.735″	
	No. 5	12.6	1206	**No. 5**	14.0	1370	40,000		
	No. 7	14.6	1236	**No. 7**	16.2	1404	40,000		
	No. 9	17.1	1309	**No. 9**	19.0	1488	40,000		

SMOKELESS PISTOL LOADS (continued)

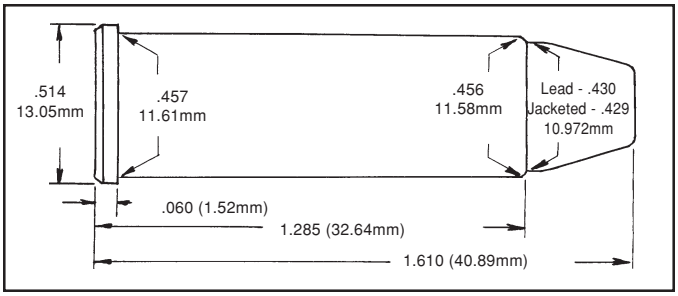
.44 REMINGTON MAGNUM

Gun	TEST BARREL	Max Length	1.285"
Barrel Length	7½"	Trim Length	1.265"
Primer	CCI 300	OAL Max	1.610"
Case	WIN	OAL Min	1.535"

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	Pressure C.U.P.	Cartridge Length	Comment
LY 190 (L) WC	--	--	--	**Nitro 100**	5.0	964	12,500	1.390"	
	--	--	--	**Solo 1000**	5.5	946	12,800		
	--	--	--	**No.2**	5.5	955	13,300		
	--	--	--	**No.5**	8.0	951	9,100		
CLE 200 (L) SWC	--	--	--	**Nitro 100**	4.7	911	9,500	1.575" *	
	--	--	--	**Solo 1000**	5.0	928	8,600		
	--	--	--	**No.2**	5.0	885	10,100		
	--	--	--	**No.5**	7.6	880	7,200		
LY 250 (L) SWC	--	--	--	**Nitro 100**	4.5	826	11,700	1.620" *	
	--	--	--	**Solo 1000**	5.0	809	11,600		
	--	--	--	**No.2**	5.0	838	12,900		
	--	--	--	**No.5**	7.0	812	7,200		

* Seat bullet with front driving band flush with case mouth.

.44 REMINGTON MAGNUM



The .44 Remington Magnum was developed in a joint effort by S&W and Remington in 1955 for a new heavy-framed .44 Magnum revolver now known as the Model 29.

A small but vocal group of handgun hunters led by Elmer Keith successfully lobbied the arms makers into producing this cartridge.

For many years the .44 Magnum was the world's most powerful commercial handgun cartridge. It has enjoyed a reputation for superb accuracy. With full power loads, however, this accuracy potential can only be realized by an expert handgunner due to the substantial recoil.

In the hands of a skilled hunter, the .44 Magnum is considered adequate for all North American big game, under ideal conditions.

The .44 Magnum is very flexible in that it can be loaded down to the velocity levels of the .44 Special while maintaining excellent accuracy. Cast bullet handloads give excellent results in the .44 Magnum.

Please note that several of the heavier bullets are over the maximum SAAMI OAL. These loads will fit the cylinders of both Smith & Wesson and Ruger revolvers.

The SAAMI Maximum Average Pressure for the .44 Magnum is 40,000 C.U.P.

.44 REMINGTON MAGNUM

Gun	RUGER REDHAWK	Max Length	1.285″
Barrel Length	7½″	Trim Length	1.265″
Primer	CCI 300	OAL Max	1.610″
Case	WW	OAL Min	1.535″

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
215 (L) SWC	**No.2**	9.2	1155	**No.2**	10.2	1313	39,300	1.560″	Penny's
	No.5	13.3	1293	**No.5**	14.8	1469	38,900		
	No.7	16.5	1336	**No.7**	18.3	1518	40,000		
	No.9	21.2	1456	**No.9**	23.6	1655	40,000		

.44 REMINGTON MAGNUM (continued)

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
240 (L) SWC **	**No.2**	9.0	1126	**No.2**	10.0	1280	40,000	1.560″	Bull-X
	No.5	12.6	1235	**No.5**	14.0	1400	40,000		
	No.7	15.8	1283	**No.7**	17.5	1458	39,700		
	No.9	19.5	1364	**No.9**	21.7	1550	39,600		
	5744	21.6	1272	**5744**	24.0	1446	34,500		Compressed
280 (L) SWC	**No.2**	8.6	1002	**No.2**	9.5	1139	36,500	1.695″	* American
	No.5	10.6	1013	**No.5**	11.8	1151	29,400		
	No.7	14.0	1137	**No.7**	15.5	1277	34,800		
	No.9	17.1	1202	**No.9**	19.0	1350	40,000		
300 (L) SSK	**No.2**	8.6	1001	**No.2**	9.5	1138	38,800	1.720″	* Penny's
	No.5	10.4	1003	**No.5**	11.6	1140	32,300		
	No.7	13.5	1100	**No.7**	15.0	1245	34,000		
	No.9	16.6	1175	**No.9**	18.5	1320	40,000		
325 (L) SWC	**No.2**	8.5	982	**No.2**	9.5	1116	36,100	1.665"	LY 429650
	No.5	10.3	1041	**No.5**	11.5	1183	37,400		
	No.7	13.5	1123	**No.7**	15.0	1277	39,900		
	No.9	15.7	1163	**No.9**	17.5	1322	39,800		
	5744	16.2	952	**5744**	18.0	1082	27,800		Compressed
355 (L) FN	**No.2**	8.5	925	**No.2**	9.5	1052	38,800	1.715"	LY 429649
	No.5	10.3	970	**No.5**	11.5	1103	39,000		
	No.7	13.0	1041	**No.7**	14.5	1184	40,000		
	No.9	14.4	1060	**No.9**	16.0	1205	37,700		
	1680	18.0	911	**1680**	20.0	1036	20,900		Compressed
HDY 180 JHP	**No.2**	10.0	1271	**No.2**	11.1	1444	36,500	1.560″	
	No.5	14.8	1421	**No.5**	16.4	1615	38,100		
	No.7	18.5	1502	**No.7**	20.5	1707	40,000		
NOS 200 JHP	**No.2**	9.9	1181	**No.2**	11.0	1342	39,500	1.595″	
	No.5	14.2	1348	**No.5**	15.8	1532	40,000		
	No.7	16.8	1353	**No.7**	18.7	1538	37,500		
	No.9	22.5	1475	**No.9**	25.0	1676	37,800		
HDY 240 XTP	**5744**	21.6	1243	**5744**	24.0	1413	35,000	1.580"	Compressed
IMI 240 JHP	**No.2**	9.0	1100	**No.2**	10.0	1250	38,600	1.560″	
	No.5	13.0	1217	**No.5**	14.4	1383	39,800		
	No.7	15.6	1245	**No.7**	17.3	1415	40,000		
	No.9	19.1	1320	**No.9**	21.3	1500	40,000		
	5744	22.5	1349	**5744**	25.0	1534	39,900		
RAN 240 FP	**No.2**	9.3	1110	**No.2**	10.3	1262	36,000	1.575"	
	No.5	12.6	1205	**No.5**	14.0	1370	38,900		
	No.7	15.0	1264	**No.7**	16.8	1437	37,300		
	No.9	18.0	1326	**No.9**	20.0	1507	40,000		
RAN 240 HP	**No.2**	9.0	1106	**No.2**	10.0	1257	35,600	1.600"	
	No.5	12.6	1214	**No.5**	13.0	1380	37,400		
	No.7	15.0	1249	**No.7**	16.8	1420	37,400		
	No.9	18.3	1321	**No.9**	20.3	1502	39,700		

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
SRA 250 FPJ	**No.2**	9.5	1083	**No.2**	10.5	1231	38,400	1.600″	
	No.5	13.1	1198	**No.5**	14.5	1361	39,700		
	No.7	15.3	1170	**No.7**	17.0	1330	37,700		
	No.9	18.9	1275	**No.9**	21.0	1449	39,200		
SRA 300 JSP	**No.2**	8.7	933	**No.2**	9.7	1060	38,700	1.735″	
	No.5	12.6	1080	**No.5**	14.0	1227	40,000		
	No.7	14.6	1074	**No.7**	16.2	1221	40,000		
	No.9	17.1	1106	**No.9**	19.0	1257	40,000		
HDY 300 XTP	**No.2**	8.8	975	**No.2**	9.8	1108	39,400	1.595″	
	No.5	11.7	1074	**No.5**	13.0	1220	39,000		
	No.7	13.1	1047	**No.7**	14.5	1190	38,000		
	No. 9	15.9	1121	**No. 9**	17.7	1274	38,320		
	5744	18.0	1048	**5744**	20.0	1191	31,400		Compressed
Shot Capsules **									
145 SC	**No.5**	9.0	1063	**No.5**	10.0	1208	14,300	1.570"	

* Over SAAMI MAX OAL

** Shot capsules using 145 grains of #9 shot.

DESERT EAGLE

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
IMI 240 JHP	**No. 7**	15.6	1063	**No. 7**	17.3	1224	40,000	1.560″	
	No. 9	19.1	1226	**No. 9**	21.3	1312	40,000		
SRA 250 FPJ	**No. 7**	15.3	1050	**No. 7**	17.0	1210	37,700	1.600″	
	No. 9	18.9	1206	**No. 9**	21.0	1299	39,200		
HDY 300 XTP	**No. 7**	13.1	934	**No. 7**	14.5	1041	38,000	1.595″	
	No. 9	15.9	1162	**No. 9**	17.7	1222	38,300		

.45 ACP

Gun	1911A1	Case	Max length	0.898	"
Barrel length	5"		Min length	0.888	"
Primer	R-P 2 1/2		COL max	1.275	"
Case	R-P		COL min	1.150	"

Bullet	Start loads			Maximum loads				Cartridge	
	Powder	Grains	Vel.	Powder	Grains	Vel	Psi	length	Comment
155 (L)	**N100**	5.0	956	**N100**	5.5	1087	16000	1.240"	
SWC	**S1000**	5.9	1029	**S1000**	6.5	1170	19100		
	No. 2	6.8	1060	**No. 2**	7.5	1204	20600		
	No. 5	9.0	1046	**No. 5**	10.0	1189	18500		
	No. 7	12.0	1076	**No. 7**	13.3	1223	20200		
170 (L)	**N100**	5.0	952	**N100**	5.6	1082	19900	1.130"	
SWC	**S1000**	5.3	931	**S1000**	5.9	1059	17800		
	No. 2	5.9	950	**No. 2**	6.5	1079	19400		
	No. 5	8.1	945	**No. 5**	9.0	1074	17800		
	No. 7	11.3	1031	**No. 7**	12.5	1172	20800		**137**
200 (L)	**N100**	4.4	825	**N100**	4.9	938	18200	1.190"	
SWC	**S1000**	4.8	838	**S1000**	5.3	952	18300		
	No. 2	5.2	826	**No. 2**	5.8	939	17400		
	No. 5	7.8	902	**No. 5**	8.7	1025	19400		
	No. 7	10.4	899	**No. 7**	11.5	1022	18700		
230 (L)	**N100**	4.1	733	**N100**	4.5	834	18600	1.230"	
RN	**S1000**	4.6	790	**S1000**	5.1	898	18300		
	No. 2	5.0	766	**No. 2**	5.6	870	17200		
	No. 5	7.7	852	**No. 5**	8.5	968	19800		
	No. 7	9.9	862	**No. 7**	11.0	979	19400		
185 HDY	**N100**	4.8	842	**N100**	5.3	957	16900	1.210"	
XTP	**S1000**	5.5	862	**S1000**	6.1	980	19400		
	No. 2	5.7	948	**No. 2**	6.7	1106	20750		
	No. 5	9.2	970	**No. 5**	10.2	1102	19900		
	No. 7	11.7	962	**No. 7**	13.0	1093	18000		
200 HDY	**N100**	4.3	768	**N100**	4.8	873	16500	1.225"	
XTP	**S1000**	5.2	804	**S1000**	5.8	914	18800		
	No. 2	5.1	855	**No. 2**	5.8	970	19900		
	No. 5	8.7	924	**No. 5**	9.7	1050	20600		
	No. 7	10.8	912	**No. 7**	12.0	1036	19200		
230 SRA	**N100**	4.1	726	**N100**	4.5	825	19100	1.250"	
FMJ	**S1000**	4.9	746	**S1000**	5.5	848	18900		
	No. 2	4.6	769	**No. 2**	5.4	881	20800		
	No. 5	7.8	816	**No. 5**	8.7	927	19300		
	No. 7	9.9	811	**No. 7**	11.0	922	17800		

.45 ACP (+P)

Gun	1911A1	Max Length	0.898″
Barrel Length	5″	Trim Length	0.888″
Primer	REM 2½	OAL Max	1.275″
Case	REM	OAL Min	1.150″ (Match)

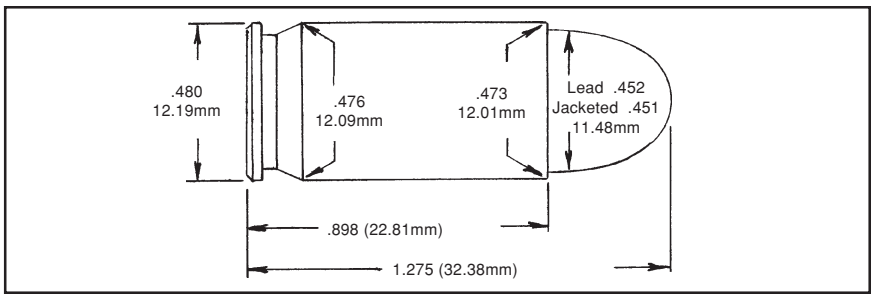
	START LOADS			MAXIMUM LOADS				Cartridge	
Bullet	Powder	Grains	Vel.	Powder	Grains	Vel.	P.S.I.	Length	Comment
HDY 185 XTP	**S1000**	5.7	895	**S1000**	6.4	1018	20,700	1.210″	
	No.2	7.2	1016	**No.2**	8.0	1155	23,000		
	No.5	9.7	1049	**No.5**	10.8	1192	22,400		
	No.7	12.2	1039	**No.7**	13.5	1181	21,700		Compressed
HDY 200 XTP	**S1000**	5.5	850	**S1000**	6.1	966	21,300	1.225″	
	No.2	6.3	900	**No.2**	7.0	1023	23,000		
	No.5	9.0	951	**No.5**	10.0	1081	22,600		
	No.7	11.5	979	**No.7**	12.8	1112	23,000		

.45 ACP WADCUTTER

Gun	1911A1	Max Length	0.898″
Barrel Length	5″	Trim Length	0.888″
Primer	REM 2½	OAL Max	1.275″
Case	REM	OAL Min	1.150″ (Match)

	START LOADS			MAXIMUM LOADS				Cartridge	
Bullet	Powder	Grains	Vel.	Powder	Grains	Vel.	P.S.I.	Length	Comment
HDY 185 TGT	**N100**	3.6	638	**N100**	4.0	725	12,000	1.135″	
	No.2	4.1	629	**No.2**	4.5	715	11,900		
	No.5	6.8	726	**No.5**	7.5	825	14,200		
200 (L) SWC	**N100**	3.2	612	**N100**	3.5	696	11,400	1.190″	HDY
	No.2	3.6	616	**No.2**	4.0	700	11,500		
	No.5	6.3	720	**No.5**	7.0	818	13,100		

.45 ACP



The .45 ACP tends to evoke a "love/hate" reaction from its users. Since its fans far out-number its detractors, it continues to be produced in 1911A1 look-alikes as well as many other firearms. Auto-Ordinance has for many years produced a semi-automatic version of the M28A1 Thompson sub-machinegun.

In 1986 Marlin introduced their Model 45 carbine. This small handy carbine utilizes a 7-shot Model 1911A1 handgun magazine and is intended for informal plinking and possibly home defense.

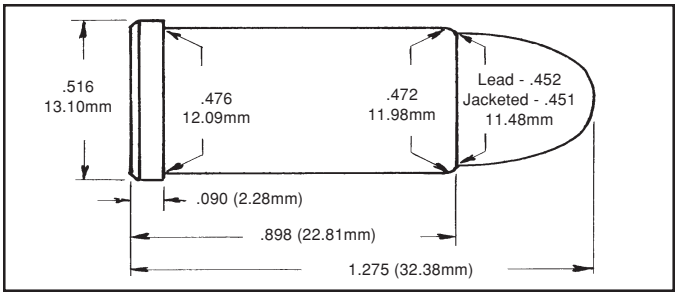
The SAAMI Maximum Average Pressure for the .45 ACP is 21,000 P.S.I.

.45 ACP

Gun	MARLIN	Max Length	0.898″
Barrel Length	16˚″	Trim Length	0.888″
Primer	REM 2˚	OAL Max	1.275″
Case	REM	OAL Min	1.190″

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	P.S.I.	Cartridge Length	Comment
HDY 185 XTP	**N100**	5.9	1025	**N100**	6.6	1165	19,800	1.210″	
	No.2	6.8	1096	**No.2**	7.5	1245	20,400		
	No.5	9.2	1125	**No.5**	10.2	1278	19,900		
	No.7	11.7	1134	**No.7**	13.0	1289	18,000		
HDY 200 XTP	**N100**	5.4	914	**N100**	6.0	1039	17,500	1.225″	
	No.2	5.9	943	**No.2**	6.5	1072	19,700		
	No.5	8.7	1052	**No.5**	9.7	1195	20,600		
	No.7	10.8	1043	**No.7**	12.0	1185	19,200		
SRA 230 FMJ	**N100**	5.0	822	**N100**	5.6	934	19,100	1.250″	
	No.2	5.5	821	**No.2**	6.1	933	19,200		
	No.5	7.8	920	**No.5**	8.7	1045	19,300		
	No.7	9.9	920	**No.7**	11.0	1045	17,800		

.45 AUTO-RIM



During WWI, both Colt and S&W made revolvers chambered for the .45 ACP cartridge. These revolvers required the use of a half-moon clip to support and eject the rimless .45 ACP brass.

After the war, thousands of these revolvers were sold to the public. In 1920 the Peters Cartridge Company introduced a rimmed version of the .45 ACP which eliminated the need for using the pesky clips in these revolvers. The .45 AR was also loaded with a lead bullet to reduce wear on the shallow rifling used in these revolvers.

The .45 AR, while nearly identical in performance to the .45 ACP, is better for handloading use in revolvers because it headspaces on the case rim allowing the use of almost any type of bullet and crimp.

The SAAMI Maximum Average Pressure for the .45 Auto-Rim is 15,000 C.U.P.

.45 AUTO-RIM

Gun	S&W 25-2	Max Length	0.898″
Barrel Length	6½″	Trim Length	0.878″
Primer	CCI 300	OAL Max	1.275″
Case	REM	OAL Min	1.225″

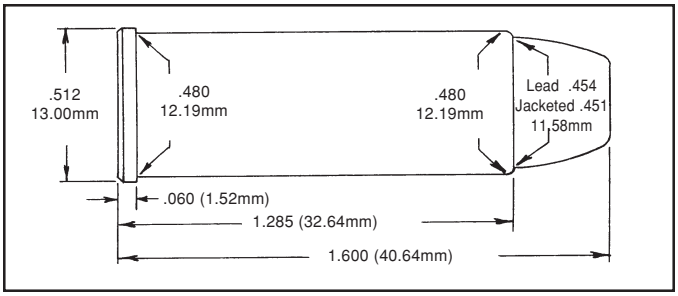
Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
200 (L) SWC *	**S1000**	4.5	762	**S1000**	5.0	866	14,000	1.175″	H&G #130
	No.2	5.6	863	**No.2**	6.2	981	14,600		
	No.5	7.7	848	**No.5**	8.6	964	15,000		
235 (L) RN *	**S1000**	4.3	725	**S1000**	4.8	824	14,400	1.265″	RCBS
	No.2	5.2	769	**No.2**	5.8	874	14,700		
	No.5	7.2	730	**No.5**	8.0	830	13,900		
255 (L) SWC	**S1000**	4.0	683	**S1000**	4.4	777	13,200	1.250″	LY452424
	No.2	4.7	710	**No.2**	5.2	807	14,800		
	No.5	6.2	733	**No.5**	6.9	833	15,000		
	No.7	8.6	744	**No.7**	9.5	846	13,600		
	No.9	10.8	769	**No.9**	12.0	874	14,400		

* 0.454″ bullet diameter

.45 COLT

The .45 Colt was introduced as one of the first cartridges for the Model P Colt Single Action Army revolver.

This cartridge was adopted by the U.S. Army in 1875 and served as their official military handgun cartridge for 17 years.



As originally developed, the .45 Colt was loaded with 40 grains of FFg powder with a 255 grain lead bullet for about 810 FPS.

The .45 Colt has been around for 120 years and still has a loyal following. It has become popular to fire higher pressure loads in modern revolvers such as the Ruger Blackhawk. Firing such loads in the blackpowder revolvers and replicas have caused disastrous results.

The large case capacity of the .45 Colt combined with its low SAAMI Maximum Average Pressure of 14,000 C.U.P produces a cartridge that cannot efficiently utilize most modern smokeless propellants. **Accurate Nitro 100** is an excellent choice to produce consistent ballistics at low pressures due to its low bulk density and excellent ignition characteristics.

.45 COLT

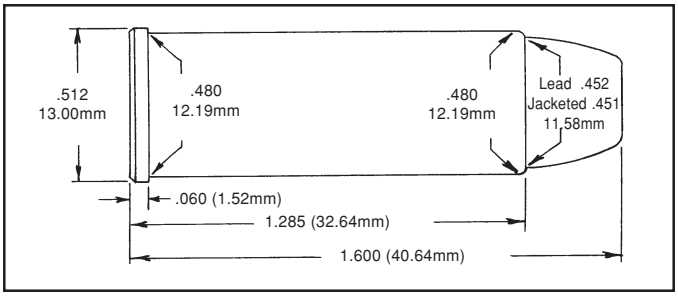
Gun	DOUGLAS	Max Length	1.285″
Barrel Length	7½″	Trim Length	1.265″
Primer	CCI 300	OAL Max	1.600″
Case	WW	OAL Min	1.550″

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
215 (L) SWC	**N100**	6.3	846	**N100**	7.0	961	14,000	1.575″	CP
	No.5	10.9	904	**No.5**	12.1	1027	12,500		
225 (L) FN	**N100**	5.3	789	**N100**	5.9	897	12,200	1.620″	* CP
	S1000	5.8	799	**S1000**	6.5	909	13,500		
	No.2	5.8	820	**No.2**	6.1	873	11,900		
	No.5	10.9	909	**No.5**	12.1	1033	13,800		
240 (L) SWC	**N100**	5.1	790	**N100**	5.7	898	13,600	1.570″	Clements
	S100	6.0	799	**S1000**	6.3	851	11,600		
	No.2	5.4	743	**No.2**	6.0	845	11,900		
	No.5	10.2	869	**No.5**	11.3	988	14,000		
	5744	16.5	885	**5744**	18.5	959	11,600		

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
255 (L) SWC	**N100**	5.0	763	**N100**	5.5	868	13,100	1.600″	* LY454424
	S1000	5.2	710	**S1000**	5.8	807	12,500		
	No.2	5.3	715	**No.2**	5.9	813	12,500		
	No.5	9.4	846	**No.5**	10.4	961	13,400		
	5744	16.0	756	**5744**	17.8	860	13,100		
SRA 185 JHP	**N100**	6.2	873	**N100**	6.8	993	13,300	1.575"	
	S1000	6.8	903	**S1000**	7.6	1027	13,800		
	No.2	6.6	882	**No.2**	7.3	1003	13,600		
	No.5	10.8	946	**No.5**	12.0	1075	12,200		
	5744	18.4	948	**5744**	20.5	1078	12,000		
HDY 200 XTP	**N100**	5.8	839	**N100**	6.4	954	12,200	1.595″	
	S1000	6.3	820	**S1000**	7.0	932	13,000		
	No.2	6.2	819	**No.2**	6.9	931	13,000		
	No.5	10.4	908	**No.5**	11.5	1032	13,400		
HDY 230 XTP	**N100**	5.1	741	**N100**	5.7	843	12,300	1.595″	
	S1000	5.7	704	**S1000**	6.3	800	11,800		
	No.2	5.6	730	**No.2**	6.2	830	13,100		
	No.5	9.9	853	**No.5**	11.0	969	14,000		
	5744	16.6	835	**5744**	18.5	949	11,500		
SRA 240 JHP	**N100**	5.0	737	**N100**	5.6	838	13,000	1.590″	
	S1000	5.4	682	**S1000**	6.0	776	12,400		
	No.2	5.8	713	**No.2**	6.5	811	13,400		
	No.5	9.5	854	**No.5**	10.5	970	14,000		
	5744	16.6	845	**5744**	18.5	960	11,600		
HDY 250 XTP	**N100**	5.0	666	**N100**	5.5	757	12,900	1.570″	
	S1000	5.2	660	**S1000**	5.8	750	11,600		
	No.2	5.2	622	**No.2**	5.8	707	12,700		
	No.5	9.9	704	**No.5**	11.0	800	14,000		
	5744	16.2	817	**5744**	18.0	929	13,200		
RAN 250 FP	**No.2**	5.7	740	**No.2**	6.3	841	13,300	1.585"	
	No.5	9.4	765	**No.5**	10.4	870	12,900		
SPR 260 JHP	**N100**	4.8	641	**N100**	5.3	729	12,300	1.600″	
	S1000	5.2	611	**S1000**	5.8	695	11,500		
	No.2	5.4	676	**No.2**	6.0	769	14,100		
	No.5	9.5	671	**No.5**	10.5	762	14,000		

* Over SAAMI MAX OAL

.45 COLT (RUGER & T/C ONLY)



This loading data was developed in response to shooters' request for more powerful loads for use in Ruger and T/C handguns.

These loads develop the same pressures as +P .45 ACP loads. Despite occasional recommendations by other sources, do not handload .45 Colt ammo to .44 Magnum pressure levels. The .45 Colt brass is not as strong as .44 Magnum cases.

These loads must not be used in older, weaker firearms but should prove entirely satisfactory in the firearms for which they are intended.

45 COLT (RUGER & T/C ONLY)

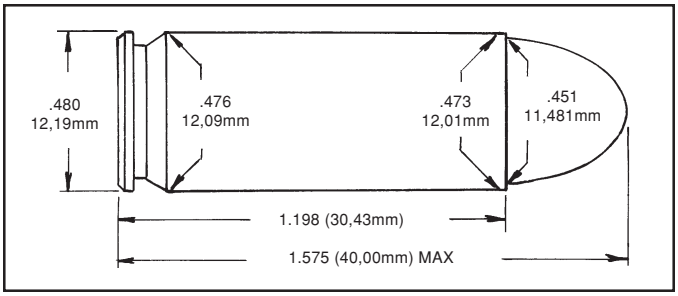
Gun	DOUGLAS	Max Length	1.285″
Barrel Length	7˚″	Trim Length	1.265″
Primer	CCI 300	OAL Max	1.600″
Case	WW	OAL Min	1.550″

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
215 (L) SWC GC	**N100**	8.1	1023	**N100**	9.0	1162	20,700	1.550″	CP
	No.5	12.2	1090	**No.5**	13.6	1239	20,800		
	No.7	14.9	1104	**No.7**	16.6	1254	20,900		
225 (L) SWC	**N100**	7.9	1005	**N100**	8.8	1142	20,800	1.575″	CP
	No.5	12.2	1076	**No.5**	13.6	1223	21,400		
	No.7	14.8	1087	**No.7**	16.4	1235	21,000		
230 (L) RN	**N100**	7.7	965	**N100**	8.6	1097	20,300	1.600″	CP
	No.5	12.2	1065	**No.5**	13.5	1210	20,900		
	No.7	14.6	1062	**No.7**	16.2	1207	20,600		
240 (L) SWC	**N100**	7.6	954	**N100**	8.4	1084	20,300	1.570″	Clements
	No.5	11.1	1010	**No.5**	12.3	1148	20,000		
	No.7	14.1	1052	**No.7**	15.7	1196	20,600		
255 (L) SWC	**N100**	7.3	928	**N100**	8.1	1055	20,200	1.600″	LY454424
	No.5	10.6	950	**No.5**	11.8	1080	18,200		
	No.7	13.6	1010	**No.7**	15.1	1148	19,700		
	No.9	15.8	1038	**No.9**	17.6	1180	20,100		

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
280 (L) TC	**N100**	6.9	865	**N100**	7.7	983	19,100	1.650″	* LBT
	No.5	9.9	891	**No.5**	11.0	1012	18,300		
	No.7	12.6	940	**No.7**	14.0	1068	19,000		
	No.9	15.8	998	**No.9**	17.5	1134	19,300		
300 (L) FN	**N100**		N/R	**N100**		N/R		1.585″	D&J
	No.5		N/R	**No.5**		N/R			
	No.7	11.7	804	**No.7**	13.0	914	19,200		
	No.9	13.5	798	**No.9**	15.0	907	17,600		
SRA 200 FPJ	**N100**	8.3	1021	**N100**	9.2	1160	19,300	1.560″	
	No.5	13.1	1120	**No.5**	14.6	1273	20,000		
	No.7	14.8	1055	**No.7**	16.4	1199	15,300		
HDY 230 RN FMJ	**N100**	7.8	933	**N100**	8.7	1060	19,600	1.600″	
	No.5	11.7	1000	**No.5**	13.0	1136	18,600		
	No.7	13.9	1018	**No.7**	15.4	1157	18,500		
SRA 240 JHC	**N100**	7.7	920	**N100**	8.5	1045	20,100	1.570″	
	No.5	11.7	970	**No.5**	13.0	1102	18,300		
	No.7	14.0	1010	**No.7**	15.5	1148	20,400		
NOS 250 JHP	**N100**	7.5	887	**N100**	8.3	1008	19,300	1.585″	
	No.5	10.9	902	**No.5**	12.1	1025	18,100		
	No.7	13.7	971	**No.7**	15.2	1103	19,600		
RAN 250 FP	**No.2**	7.2	879	**No.2**	8.0	999	19,500	1.585"	
	No.5	11.1	873	**No.5**	12.3	993	19,800		
	No.7	13.1	900	**No.7**	14.6	1023	19,100		
	No.9	16.2	1008	**No.9**	18.0	1146	20,000		
SPR 260 JHP	**N100**	7.3	862	**N100**	8.1	980	19,700	1.595″	
	No.5	10.7	900	**No.5**	11.9	1023	19,300		
	No.7	13.5	953	**No.7**	15.0	1083	19,400		
SPR 300 SP	**N100**		N/R	**N100**		N/R		1.585″	
	No.5		N/R	**No.5**		N/R			
	No.7	11.7	730	**No.7**	13.0	830	20,300		
	No.9	13.5	745	**No.9**	15.0	847	19,200		
HDY 300 XTP	**N100**		N/R	**N100**		N/R		1.580″	
	No.5		N/R	**No.5**		N/R			
	No.7	11.7	693	**No.7**	13.0	788	20,700		
	No.9	13.5	710	**No.9**	15.0	807	19,500		

* Over SAAMI MAX OAL

.45 WINCHESTER MAGNUM



The .45 Winchester Magnum was introduced in 1979 for use in the Wildey gas-operated semi-automatic pistol and has since been adopted as a standard chambering for the T/C Contender and the L.A.R. Grizzly Mag.

The .45 Winchester Magnum is basically a lengthened .45 ACP loaded to the same pressures as a .44 Remington Magnum. Originally intended for silhouette competition, with suitable bullets the .45 Winchester Magnum is as capable a hunting cartridge as the .44 Remington Magnum.

The longer barrel and solid breech of the T/C Contender allow the .45 Winchester Magnum to achieve its full potential.

Accurate Arms propellants produced excellent results with all bullet weights tested.

The SAAMI Maximum Average Pressure for the .45 Winchester Magnum is 40,000 C.U.P.

.45 WINCHESTER MAGNUM

Gun	DOUGLAS	Max Length	1.198″
Barrel Length	8″	Trim Length	1.188″
Primer	WLP	OAL Max	1.575″
Case	WW	OAL Min	1.545″

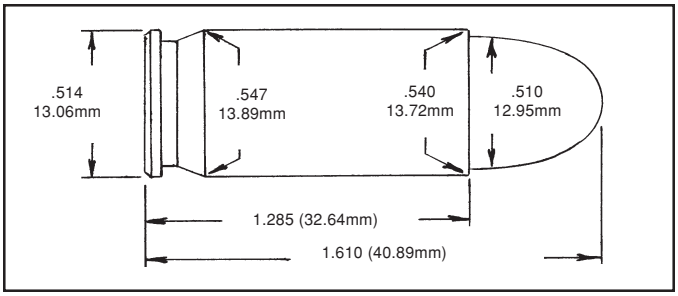
Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
SRA 185 JHP	**No.2**	12.6	1379	**No.2**	14.0	1567	37,800	1.555″	
	No.5	15.3	1426	**No.5**	17.0	1620	36,200		
	No.7	18.9	1452	**No.7**	21.0	1650	35,800		
	No.9	27.0	1662	**No.9**	30.0	1889	35,200		Compressed
HDY 200 XTP	**No.2**	12.2	1332	**No.2**	13.5	1514	40,000	1.570″	
	No.5	15.3	1398	**No.5**	17.0	1589	36,600		
	No.7	18.5	1404	**No.7**	20.5	1595	34,700		
	No.9	26.6	1632	**No.9**	29.5	1854	38,400		
NOS 230 FMJ	**No.2**	11.3	1194	**No.2**	12.5	1357	38,200	1.575″	
	No.5	14.0	1258	**No.5**	15.5	1430	35,200		
	No.7	17.1	1294	**No.7**	19.0	1470	34,400		
	No.9	24.8	1529	**No.9**	27.5	1738	38,700		

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
SRA 240 JHP	**No.2**	9.9	1060	**No.2**	11.0	1205	38,500	1.490″	
	No.5	13.0	1225	**No.5**	14.5	1400	40,000		
	No.7	17.1	1274	**No.7**	19.0	1448	34,800		
	No.9	21.6	1413	**No.9**	24.0	1606	40,000		
HDY 250 XTP	**No.2**	9.0	971	**No.2**	10.0	1103	40,000	1.480″	
	No.5	13.1	1184	**No.5**	14.5	1345	39,000		
	No.7	16.9	1280	**No.7**	18.8	1454	39,600		
	No.9	19.3	1315	**No.9**	21.5	1500	40,000		
SPR 260 SP	**No.2**	9.9	1000	**No.2**	11.0	1136	39,100	1.515″	
	No.5	13.1	1140	**No.5**	14.5	1295	38,800		
	No.7	17.1	1268	**No.7**	19.0	1441	38,500		
	No.9	20.7	1331	**No.9**	23.0	1512	37,100		
	1680	27.0	1209	**1680**	30.0	1374	31,300		Compressed
SPR 300 SP	**No.2**	9.0	854	**No.2**	10.0	970	37,400	1.565″	
	No.5	12.2	1005	**No.5**	13.5	1142	38,800		
	No.7	15.8	1110	**No.7**	17.5	1261	38,200		
	No.9	19.4	1234	**No.9**	21.5	1402	37,900		
	1680	25.2	1164	**1680**	28.0	1323	39,900		Compressed

.50 ACTION EXPRESS

Developed by Action Arms, Magnum Research, and Israel Military Industries, the .50 AE is the largest legal handgun caliber.

The Desert Eagle gas-operated pistol gives superb accuracy in .50 Action Express with groups reported under 1″ at 25 yards provided the shooter can handle its considerable recoil.



The SAAMI Maximum Average Pressure for the .50 Action Express is 36,000 P.S.I.

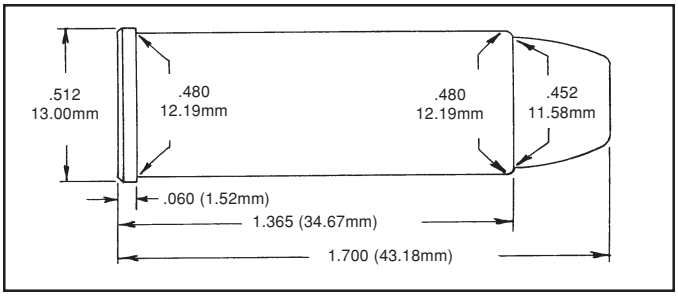
.50 ACTION EXPRESS

Gun	DESERT EAGLE	Max Length	1.285″
Barrel Length	6″	Trim Length	1.275″
Primer	CCI 350	OAL Max	1.610″
Case	SPEER	OAL Min	1.560″

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	P.S.I.	Cartridge Length	Comment
SPR 325 U-C	**No.9**	22.6	1157	**No.9**	23.8	1247	32,000	1.575″	
	1680	34.0	1157	**1680**	37.8	1305	32,000		Compressed

This data provided by Speer.

.454 CASULL



The .454 Casull is a proprietary cartridge developed by Dick Casull and chambered by Freedom Arms in their five-shot revolver.

The .454 originated as a wildcat but is now available as factory ammunition. The cartridge cases are of thick wall construction and while .45 Colt cases can be chambered, they should never be reloaded with .454 data.

The pressure limits vary among the bullets listed below according to the bullet manufacturer's recommendation.

The .454 Casull represents about the maximum amount of power that can be managed in a revolver. This cartridge is not for the faint hearted. The maximum loads shown below are approved by Freedom Arms for use in their revolvers. **Accurate No. 9** is the propellant of choice for factory ammunition. It is recommended that a tight crimp is used to maximize bullet pull for this cartridge.

.454 CASULL

Gun	HS PRECISION	Max Length	1.365″
Barrel Length	7½″	Trim Length	1.365″
Primer	CCI 400	OAL Max	1.700″
Case	FA	OAL Min	—

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Length	Cartridge Comment
250 (L) SWC	**No.9**	21.6	1326	**No.9**	24.0	1507	23,000	1.750"	Clements
	5744	26.1	1347	**5744**	29.0	1531	37,100		
300 (L) FP	**No.9**	18.9	1228	**No.9**	21.0	1396	30,200	1.690"	
	5744	24.3	1260	**5744**	27.0	1432	45,500		
	1680	27.0	1229	**1680**	30.0	1397	33,700		Full Case
SRA 240 JHP	**No.9**	25.2	1543	**No.9**	28.0	1753	39,800	1.705″	
	5744	31.5	1489	**5744**	35.0	1693	51,800		
	1680	32.4	1498	**1680**	36.0	1702	42,200		Compressed
FA 240 JHP	**No.9**	27.9	1686	**No.9**	31.0	1916	54,100	1.780″	
	5744	33.3	1593	**5744**	37.0	1811	54,000		Compressed
	1680	34.2	1557	**1680**	38.0	1769	46,500		Compressed

.454 CASULL (continued)

Bullet	START LOADS Powder	Grains	Vel.	MAXIMUM LOADS Powder	Grains	Vel.	C.U.P.	Cartridge Length	Comment
HDY 250 XTP	**No.9**	25.2	1558	**No.9**	28.0	1770	45,800	1.700″	
	5744	30.6	1518	**5744**	34.0	1726	52,600		
	1680	33.3	1547	**1680**	37.0	1758	49,100		Compressed
SPR 260 JHP	**No.9**	24.1	1458	**No.9**	26.8	1657	38,600	1.710″	
	5744	30.6	1485	**5744**	34.0	1688	52,000		
	1680	31.5	1448	**1680**	35.0	1646	42,500		
FA 260 JFP	**No.9**	27.0	1615	**No.9**	30.0	1835	52,800	1.765″	
	5744	32.4	1539	**5744**	36.0	1744	55,200		Compressed
	1680	34.7	1566	**1680**	38.5	1780	50,800		Compressed
SPR 300 JSP	**No.9**	23.4	1404	**No.9**	26.0	1596	46,200	1.765″	
	1680	30.2	1400	**1680**	33.5	1591	48,500		
HDY 300 XTP	**No.9**	23.4	1428	**No.9**	26.0	1623	50,000	1.765″	
	5744	28.8	1381	**5744**	32.0	1570	52,600		
	1680	30.2	1403	**1680**	33.5	1594	49,600		
FA 300 JFP	**No.9**	22.5	1386	**No.9**	25.0	1575	49,500	1.755″	
	5744	28.8	1376	**5744**	32.0	1564	54,000		Compressed
	1680	31.1	1427	**1680**	34.5	1622	54,500		

NOTE: Seating bullets to their cannelure resulted in a loaded overall length in excess of that recommended by Freedom Arms.