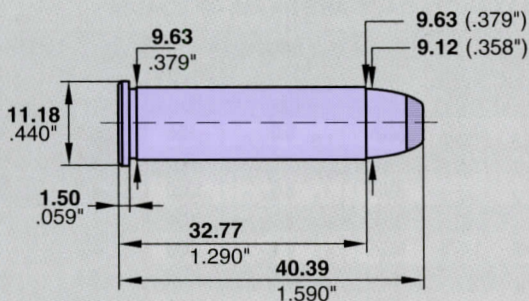


.357 Magnum

CIP max. dimensions in millimeters (inches)



Country of origin:	USA
Year of introduction:	1935
Max. bullet diameter:	9.12 mm (.358")
Max. cartridge length:	40.39 mm (1.590")
Max. shell length:	32.77 mm (1.290"), trim to 32.60 mm (1.280")
Max. CIP piezo pressure:	320 MPa (46400 psi)

The .357 Magnum was first introduced by Smith & Wesson in 1935. The goal of the new design was to improve the .38 Special cartridge to meet the requirements placed by handgun hunting and law enforcement. The solution was to lengthen the .38 Special cartridge case by about 3 mm (0.12") and strengthen it to stand considerable higher chamber pressure. The result was a handgun cartridge capable of delivering as much as three times the muzzle energy of the .38 Special.

The .357 Magnum has remained probably the most popular magnum revolver cartridge ever introduced, despite the increasing number of shooting people enjoying cartridges of larger calibers. It is noted for its flat trajectory and great knockdown power. The recoil generated by the .357 Magnum is on a level most shooters are able to handle, too.

A number of good-quality lever-action carbines has been chambered for the .357 Magnum, too, and, where allowed by the local regulations, the .357 Magnum is occasionally promoted as a deer cartridge. If used by of an experienced hunter capable of placing the right bullet in the right place at close range, it will get the job done most of the time. As a hunting cartridge the .357 Magnum may be considered better as a varmint or a short range cartridge for small game.

If swaged (soft) lead bullets are used, the muzzle velocity of those should not exceed 340 m/s (1100 fps), as undesirable leading of the barrel may occur in just a few rounds.

.357 Magnum

TEST COMPONENTS:

Test barrel: 175 mm (7"), 1 in 18½" twist, manufactured to meet CIP minimum dimensions.

Primers: Small Rifle

Cases: Remington, trim-to length 32.60 mm (1.283")

Reloading Data, Metric Units:

Bullet				Powder	Starting Load			Maximum Load			
Weight [g]	Type	Mfg.	C.O.L. [mm]	Type	Weight [g]	[grs]	Velocity [m/s]	Weight [g]	[grs]	Velocity [m/s]	Pressure [MPa]
7.1	HP/XTP	Hornady	40.0	N310	0.40	6.2	395	0.44	6.7	417	240
				N320	0.48	7.4	424	0.52	8.0	449	240
				N340	0.55	8.5	444	0.61	9.4	481	240
				3N37	0.61	9.5	468	0.69	10.7	502	240
				N350	0.64	9.9	472	0.70	10.8	502	240
				N110	1.20	18.5	523	1.30	20.1	582	240
8.0	LSWC	Inter cast	41.0*)	N340	0.51	7.9	419	0.57	8.8	448	240
				N350	0.54	8.3	423	0.60	9.3	451	240
				N110	1.02	15.7	471	1.13	17.4	518	240
8.1	FP/XTP	Hornady	40.0	N310	0.36	5.5	346	0.40	6.1	376	240
				N320	0.40	6.2	375	0.46	7.1	405	240
				N340	0.51	7.8	412	0.57	8.8	446	240
				N350	0.57	8.7	431	0.63	9.7	461	240
				N110	1.09	16.8	488	1.19	18.4	540	240
9.1	HP	Speer	40.0	N340	0.49	7.6	381	0.54	8.3	409	240
				3N37	0.54	8.3	390	0.60	9.3	422	240
				N350	0.53	8.2	390	0.59	9.1	421	240
				N110	1.02	15.7	457	1.11	17.1	502	240
9.4	LSWC	Inter cast	41.0*)	N320	0.38	5.8	358	0.42	6.4	380	240
				N340	0.43	6.6	377	0.48	7.4	402	240
				3N37	0.49	7.5	387	0.55	8.5	417	240
				N350	0.44	6.8	375	0.52	8.1	410	240
				N110	0.91	14.0	450	0.99	15.3	485	240
10.2	HP	Speer	40.0	N320	0.37	5.7	312	0.41	6.3	340	240
				N340	0.44	6.7	340	0.48	7.4	365	240
				3N37	0.48	7.4	351	0.54	8.3	382	240
				N350	0.49	7.6	366	0.55	8.5	389	240
10.2	FP/XTP	Hornady	40.0	N105	0.71	10.9	402	0.77	11.9	432	240
10.2	HP	Speer	40.0	N110	0.91	14.1	417	0.99	15.3	458	240

*) The CIP maximum cartridge overall length is exceeded.

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INDICATES MAXIMUM LOAD - USE WITH CAUTION!

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED

.357 Magnum

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Reloading Data, Metric Units:

Bullet				Powder	Starting Load			Maximum Load			
Weight [g]	Type	Mfg.	C.O.L. [mm]	Type	Weight [g]	Velocity [m/s]		Weight [g]	Velocity [m/s]	Pressure [MPa]	
10.4	LFN	Intercast	40.0	N340	0.41	6.3	360	0.46	7.1	379	240
				3N37	0.47	7.3	358	0.52	8.0	388	240
				N350	0.43	6.6	363	0.49	7.6	387	240
				N110	0.85	13.2	428	0.93	14.4	462	240
11.7	TMJ	Speer	42.6*)	N340	0.41	6.3	296	0.46	7.1	326	240
				3N37	0.45	7.0	309	0.51	7.9	341	240
				N350	0.42	6.4	293	0.48	7.4	331	240
				N105	0.58	8.9	352	0.66	10.3	384	240
13.0	TMJ	Speer	43.1*)	N110	0.82	12.7	382	0.91	14.0	425	240
				3N37	0.41	6.4	272	0.47	7.2	302	240
				N350	0.40	6.2	255	0.46	7.1	295	240
				N105	0.55	8.4	311	0.61	9.4	342	240
				N110	0.74	11.4	337	0.80	12.4	367	240

Reloading Data, English Units:

Bullet				Powder	Starting Load		Maximum Load		
Weight [grs]	Type	Mfg.	C.O.L. [in.]	Type	Weight [grs]	Velocity [fps]	Weight [grs]	Velocity [fps]	Pressure [psi]
110	HP/XTP	Hornady	1.575	N310	6.2	1296	6.7	1367	35000
				N320	7.4	1390	8.0	1474	35000
				N340	8.5	1458	9.4	1579	35000
				3N37	9.5	1535	10.7	1646	35000
				N350	9.9	1547	10.8	1647	35000
124	LSWC	Intercast	1.614*)	N110	18.5	1716	20.1	1909	35000
				N340	7.9	1375	8.8	1469	35000
				N350	8.3	1387	9.3	1479	35000
				N110	15.7	1546	17.4	1699	35000
125	FP/XTP	Hornady	1.575	N310	5.5	1134	6.1	1234	35000
				N320	6.2	1229	7.1	1329	35000
				N340	7.8	1352	8.8	1462	35000
				N350	8.7	1415	9.7	1512	35000
				N110	16.8	1601	18.4	1772	35000

*) The CIP maximum cartridge overall length is exceeded.

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INDICATES MAXIMUM LOAD - USE WITH CAUTION!

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.357 Magnum

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Reloading Data, English Units:

Bullet				Powder	Starting Load		Maximum Load		
Weight [grs]	Type	Mfg.	C.O.L. [in.]	Type	Weight [grs]	Velocity [fps]	Weight [grs]	Velocity [fps]	Pressure [psi]
140	HP	Speer	1.575	N340	7.6	1251	8.3	1340	35000
				3N37	8.3	1278	9.3	1386	35000
				N350	8.2	1280	9.1	1382	35000
				N110	15.7	1499	17.1	1647	35000
145	LSWC	Inter cast	1.614*)	N320	5.8	1175	6.4	1245	35000
				N340	6.6	1238	7.4	1319	35000
				3N37	7.5	1269	8.5	1368	35000
				N350	6.8	1231	8.1	1344	35000
158	HP	Speer	1.575	N110	14.0	1475	15.3	1591	35000
				N320	5.7	1023	6.3	1114	35000
				N340	6.7	1117	7.4	1198	35000
				3N37	7.4	1152	8.3	1254	35000
158	FP/XTP	Hornady	1.575	N350	7.6	1200	8.5	1276	35000
				N105	10.9	1320	11.9	1417	35000
				N110	14.1	1368	15.3	1502	35000
				N340	6.3	1181	7.1	1244	35000
160	LFN	Inter cast	1.575	3N37	7.3	1176	8.0	1273	35000
				N350	6.6	1191	7.6	1270	35000
				N110	13.2	1404	14.4	1514	35000
				N340	6.3	972	7.1	1069	35000
180	TMJ	Speer	1.677*)	3N37	7.0	1013	7.9	1120	35000
				N350	6.4	961	7.4	1087	35000
				N105	8.9	1154	10.3	1261	35000
				N110	12.7	1253	14.0	1394	35000
200	TMJ	Speer	1.697*)	3N37	6.4	891	7.2	991	35000
				N350	6.2	838	7.1	966	35000
				N105	8.4	1020	9.4	1123	35000
				N110	11.4	1107	12.4	1204	35000

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