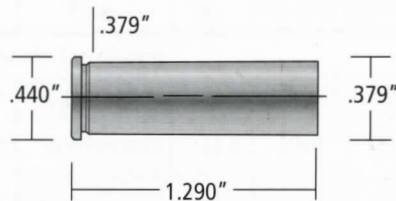


357 Magnum



Origin	USA
Ammunition Available	1934
Bullet Diameter	0.357"
Maximum Cartridge O.A.L.	1.590"
Maximum Case Length	1.290"
Trim Length	1.280"

About the Cartridge

The 357 Magnum revolver round was introduced in 1935 by Smith and Wesson as a result of interest stimulated by Elmer Keith and Phil Sharpe. They found that velocity could be improved significantly with the heavier-frame 38-Special revolvers by using slower-burning powders at higher pressure. Major Wesson of Smith and Wesson knew that firing such loads in a lighter-frame 38 Special revolver could be a hazard so he designed a new cartridge and revolver for it. He used a case similar to the 38 Special with the exception that it was slightly longer so that it could not be fully inserted into a standard 38 Special. The revolver had a strong frame to handle the heavier loads and so was born the 357 Magnum. Factory ammo was originally loaded by Winchester.



Bullet Specifications

A-Frame™ Heavy Revolver (.357" diameter)

Grain Weight

158
H/R



.720"

B.C. .183
Sec. Den. .177

180
H/R



.810"

B.C. .189
Sec. Den. .202

Loaded Cartridge Example

A-Frame™ H/R
(158 grain)



1.590"
O.A.L.

Reloading Data

158 Grain A-Frame™ H/R



Bullet		Powder	Starting Load		Maximum Load		
Type	Grain Wt.	Type	Grain Wt.	Velocity	Grain Wt.	Velocity	Load Density
Hodgdon Powder Company							
Swift A-Frame	158	*H-110	14.6	1557	15.7	1625	96%
	158	Lil'Gun	12.2	1402	13.2	1570	81%
	158	Longshot	7.4	1165	8.0	1296	49%
Alliant Powder Company							
Swift A-Frame	158	RL-2400	12.0	1301	13.0	1487	80%
	158	Blue Dot	9.0	1070	9.7	1319	60%
	158	*Powerpistol	7.5	964	8.1	1273	50%
IMR Powder Company							
Swift A-Frame	158	IMR-4227	14.6	1262	15.8	1463	97%

*Lowest Standard Deviation on Velocity

■ Indicates maximum load—never exceed maximum load!
Loads less than minimum charges shown are not recommended

357 Magnum

158 Grain A-Frame™ H/R

Test Components

Case Starline
Primer CCI-550
Test Barrel SSK

Barrel Length 20"
Barrel Twist 1-18³/₄"

Optimum Hunting Ballistics

100 yard zero

Sectional Density: 0.177 Ballistic Coefficient: 0.183

Distance in Yards	Muzz.	50	100	150	200	250	300	350	400
Velocity	1450	1301	1179	1086	1017	963	918	880	845
Energy	738	594	488	414	363	325	296	272	251
Bullet Path	-1.5	+1.8	zero	-8.1	-23.5	-47.3	-80.5	-124.0	-178.8
Deflection @ 10 MPH	--	1.0	4.2	9.3	16.3	24.8	34.7	45.9	58.3
Velocity	1500	1344	1213	1111	1036	978	931	891	855
Energy	790	634	517	433	377	336	304	279	257
Bullet Path	-1.5	+1.7	zero	-7.6	-22.2	-44.8	-76.6	-118.4	-171.1
Deflection @ 10 MPH	--	1.0	4.1	9.3	16.3	25.0	35.1	46.5	59.1
Velocity	1550	1388	1249	1138	1056	994	944	902	865
Energy	843	676	547	455	391	347	313	286	263
Bullet Path	-1.5	+1.5	zero	-7.1	-20.9	-42.4	-72.8	-112.9	-163.7
Deflection @ 10 MPH	--	1.0	4.0	9.2	16.3	25.0	35.3	46.9	59.7
Velocity	1600	1432	1286	1167	1077	1010	957	914	876
Energy	898	720	580	478	407	358	322	293	269
Bullet Path	-1.5	+1.4	zero	-6.6	-19.7	-40.2	-69.2	-107.7	-156.6
Deflection @ 10 MPH	--	1.0	3.9	9.0	16.1	25.0	35.3	47.1	60.1
Velocity	1650	1477	1324	1197	1099	1027	971	925	886
Energy	955	765	615	503	424	370	331	300	275
Bullet Path	-1.5	+1.2	zero	-6.2	-18.5	-38.0	-65.7	-102.6	-149.7
Deflection @ 10 MPH	--	0.9	3.8	8.8	15.9	24.8	35.2	47.1	60.3

Reloading Data

180 Grain A-Frame™ H/R



Bullet		Powder	Starting Load		Maximum Load		
Type	Grain Wt.	Type	Grain Wt.	Velocity	Grain Wt.	Velocity	Load Density
Hodgdon Powder Company							
Swift A-Frame	180	H-110	12.7	1157	13.7	1433	98%
	180	Lil'Gun	10.8	1252	11.7	1399	84%
	180	*Longshot	6.6	818	7.1	1132	51%
Alliant Powder Company							
Swift A-Frame	180	RL-2400	10.6	1024	11.4	1323	81%
	180	Blue Dot	7.9	618	8.5	1137	61%
	180	Powerpistol	6.6	521	7.2	1064	51%
IMR Powder Company							
Swift A-Frame	180	IMR-4227	13.0	1181	14.0	1280	100%

*Lowest Standard Deviation on Velocity

■ Indicates maximum load—never exceed maximum load!
Loads less than minimum charges shown are not recommended

357 Magnum

180 Grain A-Frame™ H/R

Test Components

Case Starline
Primer CCI-550
Test Barrel SSK

Barrel Length 20"
Barrel Twist 1-18³/₄"

Optimum Hunting Ballistics

100 yard zero

Sectional Density: 0.202 Ballistic Coefficient: 0.189

Distance in Yards	Muzz.	50	100	150	200	250	300	350	400
Velocity	1250	1142	1061	1000	950	909	872	839	809
Energy	625	521	450	399	361	330	304	282	262
Bullet Path	-1.5	+2.6	zero	-10.3	-29.3	-57.9	-97.0	-147.5	-210.4
Deflection @ 10 MPH	--	1.0	3.9	8.5	14.5	21.8	30.3	40.1	51.0
Velocity	1300	1181	1090	1022	969	925	886	852	821
Energy	676	558	475	417	375	342	314	290	269
Bullet Path	-1.5	+2.4	zero	-9.7	-27.6	-54.9	-92.3	-140.8	-201.2
Deflection @ 10 MPH	--	1.0	4.0	8.8	15.0	22.6	31.5	41.6	52.9
Velocity	1350	1222	1120	1045	987	940	900	864	832
Energy	729	597	502	436	389	353	324	299	277
Bullet Path	-1.5	+2.2	zero	-9.1	-26.1	-52.1	-87.8	-134.4	-192.5
Deflection @ 10 MPH	--	1.0	4.1	9.0	15.4	23.3	32.5	42.9	54.5
Velocity	1400	1263	1152	1068	1005	955	913	876	843
Energy	784	638	531	456	404	365	333	307	284
Bullet Path	-1.5	+2.0	zero	-8.5	-24.6	-49.3	-83.6	-128.2	-184.2
Deflection @ 10 MPH	--	1.0	4.1	9.0	15.7	23.8	33.2	43.9	55.8
Velocity	1450	1306	1186	1093	1024	971	926	888	854
Energy	841	682	562	478	420	377	343	315	291
Bullet Path	-1.5	+1.8	zero	-8.0	-23.2	-46.7	-79.5	-122.3	-176.2
Deflection @ 10 MPH	--	1.0	4.0	9.1	15.8	24.1	33.8	44.7	56.8