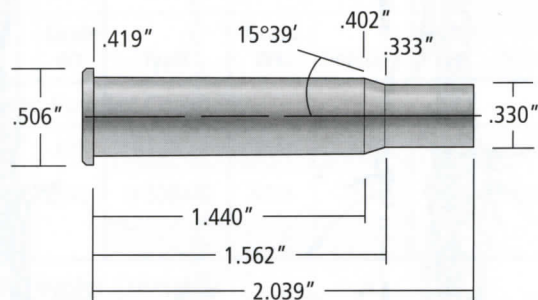


30-30 Winchester



Origin	USA
Ammunition Available	1895
Bullet Diameter	.308"
Maximum Cartridge O.A.L.	2.550"
Maximum Case Length	2.039"
Trim Length	2.029"

About the Cartridge

This round, introduced in the Winchester Model 94 rifle in 1895, was the first American smallbore hunting cartridge loaded with smokeless powder. The Colt sidearm and the Winchester lever action rifle are readily identifiable with the early American West. Both the Model 94 carbine and the 30-30 cartridge continue to thrive. For many years the combination was synonymous with the term "deer rifle." The short-barreled carbine and the light-kicking cartridge are indeed an effective team in the deer woods. The combination is not for shooting at long distance but most deer are shot at yardage well within the 30-30's range. The round packs neither excessive velocity nor energy but loadings and bullets are designed specifically around its use for deer, making it one effective deer slayer. Hunters know that chest-shot deer are down for good when the round is headstamped "30-30."



Bullet Specifications

A-Frame™ Flat Nose (.308" diameter)

Grain Weight

150
F/N



.910"

170
F/N



1.020"

B.C. .220
Sec. Den. .226

B.C. .266
Sec. Den. .256

Loaded Cartridge Example

A-Frame™ F/N (170 grain)



2.550"
O.A.L.

Reloading Data

150 Grain A-Frame™ F/N



Bullet		Powder	Starting Load		Maximum Load		
Type	Grain Wt.	Type	Grain Wt.	Velocity	Grain Wt.	Velocity	Load Density
Hodgdon Powder Company							
Swift A-Frame	150	H-322	27.9	2122	29.0	2242	80%
	150	Leverrevolution	34.0	2364	36.5	2531	101%
	150	Varget	29.7	2067	32.0	2277	89%
Alliant Powder Company							
Swift A-Frame	150	*RL-7	25.1	2113	27.0	2202	75%
	150	RL-15	30.2	2064	32.5	2320	90%
	150	RL-2000-MR	33.4	2180	36.0	2326	100%
IMR Powder Company							
Swift A-Frame	150	IMR-4064	30.2	2076	32.5	2261	90%
	150	IMR-4320	31.1	2101	33.5	2269	93%
	150	IMR-4895	29.7	2069	32.0	2221	89%

*Lowest Standard Deviation on Velocity

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

30-30 Winchester

150 Grain A-Frame™ F/N

Test Components

Case	Federal	Barrel Length	24"
Primer	Federal 210	Barrel Twist	1-12"
Test Barrel	Wiseman		

Optimum Hunting Ballistics

150 yard zero

Sectional Density: 0.226 Ballistic Coefficient: 0.220

Distance in Yards	Muzz.	50	100	150	200	250	300	350	400
Velocity	2150	1973	1805	1648	1502	1371	1256	1160	1085
Energy	1540	1297	1085	904	752	626	525	449	392
Bullet Path	-1.5	+1.4	+2.0	zero	-5.2	-14.3	-28.1	-47.3	-73.0
Deflection @ 10 MPH	--	0.5	2.3	5.3	9.8	15.9	23.8	33.4	44.7
Velocity	2200	2020	1850	1690	1541	1405	1286	1184	1104
Energy	1612	1360	1140	951	791	658	551	467	406
Bullet Path	-1.5	+1.3	+1.9	zero	-5.0	-13.6	-26.6	-44.9	-69.4
Deflection @ 10 MPH	--	0.5	2.2	5.1	9.5	15.4	23.1	32.5	43.6
Velocity	2250	2068	1895	1732	1580	1440	1316	1210	1124
Energy	1687	1425	1197	999	831	691	577	488	421
Bullet Path	-1.5	+1.2	+1.8	zero	-4.7	-12.9	-25.3	-42.7	-66.1
Deflection @ 10 MPH	--	0.5	2.1	4.9	9.2	15.0	22.4	31.6	42.6
Velocity	2300	2116	1940	1774	1619	1476	1348	1236	1145
Energy	1762	1491	1254	1049	873	726	605	509	437
Bullet Path	-1.5	+1.1	+1.7	zero	-4.5	-12.2	-24.0	-40.6	-62.9
Deflection @ 10 MPH	--	0.5	2.0	4.8	8.9	14.5	21.7	30.7	41.5
Velocity	2350	2164	1986	1817	1659	1513	1380	1264	1167
Energy	1840	1560	1314	1100	917	762	635	532	454
Bullet Path	-1.5	+1.0	+1.6	zero	-4.2	-11.6	-22.8	-38.6	-59.8
Deflection @ 10 MPH	--	0.5	2.0	4.6	8.6	14.1	21.1	29.9	40.4

Reloading Data

170 Grain A-Frame™ F/N



Bullet		Powder	Starting Load		Maximum Load		
Type	Grain Wt.	Type	Grain Wt.	Velocity	Grain Wt.	Velocity	Load Density

Hodgdon Powder Company

Swift A-Frame	170	H-322	25.5	1903	27.5	2031	81%
	170	*Leverrevolution	32.5	2213	35.0	2363	103%
	170	Varget	28.8	1992	31.0	2121	91%

Alliant Powder Company

Swift A-Frame	170	RL-15	28.8	1908	31.0	2142	91%
	170	RL-2000-MR	31.6	2050	34.0	2169	100%

IMR Powder Company

Swift A-Frame	170	IMR-4064	28.3	1935	30.5	2072	89%
	170	IMR-4320	28.8	1926	31.0	2032	91%
	170	IMR-4895	28.8	1993	31.0	2094	91%

*Lowest Standard Deviation on Velocity

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

30-30 Winchester

170 Grain A-Frame™ F/N

Test Components

Case Federal
Primer Federal 210
Test Barrel Wiseman

Barrel Length 24"
Barrel Twist 1-12"

Optimum Hunting Ballistics

150 yard zero

Sectional Density: 0.256 Ballistic Coefficient: 0.266

Distance in Yards	Muzz.	50	100	150	200	250	300	350	400
Velocity	2000	1859	1725	1599	1481	1373	1277	1193	1123
Energy	1510	1305	1124	965	828	712	616	537	476
Bullet Path	-1.5	+1.7	+2.3	zero	-5.7	-15.4	-29.6	-49.2	-74.9
Deflection @ 10 MPH	--	0.5	2.0	4.7	8.7	14.0	20.8	29.0	38.6
Velocity	2050	1907	1771	1642	1521	1409	1309	1220	1146
Energy	1587	1373	1184	1018	873	750	647	562	496
Bullet Path	-1.5	+1.5	+2.1	zero	-5.4	-14.5	-28.0	-46.6	-71.1
Deflection @ 10 MPH	--	0.5	2.0	4.6	8.4	13.6	20.1	28.2	37.6
Velocity	2100	1955	1816	1685	1561	1446	1342	1249	1170
Energy	1665	1443	1246	1071	920	790	680	589	516
Bullet Path	-1.5	+1.4	+2.0	zero	-5.1	-13.7	-26.6	-44.2	-67.4
Deflection @ 10 MPH	--	0.5	1.9	4.4	8.1	13.1	19.5	27.4	36.7
Velocity	2150	2003	1862	1728	1601	1484	1375	1279	1195
Energy	1745	1515	1309	1127	968	831	714	617	539
Bullet Path	-1.5	+1.3	+1.9	zero	-4.8	-13.0	-25.2	-41.9	-64.0
Deflection @ 10 MPH	--	0.4	1.8	4.3	7.9	12.7	18.9	26.6	35.7
Velocity	2200	2051	1908	1771	1642	1521	1410	1309	1221
Energy	1827	1588	1374	1185	1018	874	751	647	563
Bullet Path	-1.5	+1.2	+1.8	zero	-4.6	-12.3	-23.9	-39.8	-60.8
Deflection @ 10 MPH	--	0.4	1.8	4.1	7.6	12.3	18.4	25.8	34.7