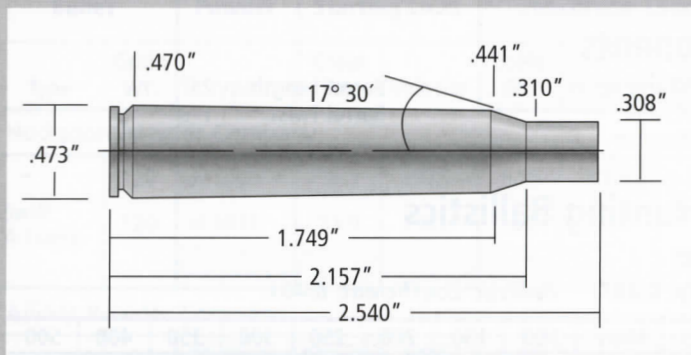


270 Winchester



Origin
Ammunition Available
Bullet Diameter
Maximum Cartridge O.A.L.
Maximum Case Length
Trim Length

USA
1925
0.277"
3.340"
2.540"
2.530"

About the Cartridge

The 270 Winchester, introduced in the Model 54 Winchester bolt action rifle in 1925, is basically a necked-down 30-06. With a 130-grain bullet at more than 3000 feet per second, it is a flat shooting round. Loading the 150-grain A-Frame™ produces a cartridge that is adequate for nondangerous but large North American game like elk and moose. These reasons, plus the fact that the recoil and muzzle blast of a 270 Winchester are readily managed by the average hunter, made it one of America's most popular cartridges until recent years. Today it is overshadowed by the increasing popularity of bigger-cased and .284"-bulleted cartridges. The 270 still stands as a top-notch, all-around hunting cartridge for North America.



Bullet Specifications Scirocco™ Spitzer (.277" diameter)

Grain
Weight

130



B.C. .450
Sec. Den. .242

A-Frame™ Semi-Spitzer (.277" diameter)

Grain
Weight

130



B.C. .323
Sec. Den. .242

140



B.C. .414
Sec. Den. .261

150



B.C. .444
Sec. Den. .279

Loaded Cartridge Example

Scirocco™
(130 grain)

A-Frame™
(130 grain)



3.340"
O.A.L.

Reloading Data

130 Grain Scirocco™



Bullet		Powder	Starting Load		Maximum Load		
Type	Grain Wt.	Type	Grain Wt.	Velocity	Grain Wt.	Velocity	Load Density
Hodgdon Powder Company							
Swift Scirocco	130	H-1000	59.5	2842	64.0	3088	109%
	130	H-4350	51.2	2908	55.0	3127	94%
	130	H-4831	56.3	2911	60.5	3119	103%
Alliant Powder Company							
Swift Scirocco	130	RL-15	45.6	2881	49.0	3065	83%
	130	*RL-19	52.1	2815	56.0	3074	95%
	130	RL-22	54.9	2871	59.0	3149	101%
IMR Powder Company							
Swift Scirocco	130	IMR-4350	50.2	2823	54.0	3100	92%
	130	IMR-4831	52.1	2911	56.0	3133	95%
	130	IMR-7828	54.9	2884	59.0	3123	101%

*Lowest Standard Deviation on Velocity

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

270 Winchester

130 Grain Scirocco™

Test Components

Case Federal
Primer Federal 210
Test Barrel Wiseman

Barrel Length 24"
Barrel Twist 1-10"

Optimum Hunting Ballistics

250 yard zero

Sectional Density: 0.242

Ballistic Coefficient: 0.450

Distance in Yards	Muzz.	100	150	200	250	300	400	500	600
Velocity	2950	2741	2641	2542	2446	2352	2169	1995	1830
Energy	2513	2170	2013	1866	1727	1597	1359	1149	967
Bullet Path	-1.5	+2.7	+3.1	+2.2	zero	-3.7	-15.8	-35.4	-63.7
Deflection @ 10 MPH	--	0.7	1.5	2.8	4.4	6.5	11.9	19.4	29.2
Velocity	3000	2789	2687	2588	2491	2395	2211	2035	1867
Energy	2599	2246	2085	1934	1791	1657	1412	1196	1007
Bullet Path	-1.5	+2.5	+2.9	+2.1	zero	-3.5	-15.2	-34.1	-61.3
Deflection @ 10 MPH	--	0.7	1.5	2.7	4.3	6.3	11.7	19.0	28.4
Velocity	3050	2837	2734	2633	2535	2439	2253	2075	1905
Energy	2686	2323	2158	2002	1855	1717	1465	1243	1048
Bullet Path	-1.5	+2.4	+2.8	+2.0	zero	-3.4	-14.7	-32.8	-59.0
Deflection @ 10 MPH	--	0.6	1.5	2.6	4.2	6.2	11.4	18.5	27.8
Velocity	3100	2884	2780	2679	2579	2482	2294	2114	1943
Energy	2775	2402	2232	2072	1921	1779	1520	1291	1090
Bullet Path	-1.5	+2.3	+2.7	+2.0	zero	-3.3	-14.1	-31.6	-56.9
Deflection @ 10 MPH	--	0.6	1.4	2.6	4.1	6.0	11.1	18.1	27.1
Velocity	3150	2932	2827	2724	2624	2526	2336	2154	1981
Energy	2865	2482	2307	2143	1988	1842	1575	1340	1133
Bullet Path	-1.5	+2.2	+2.6	+1.9	zero	-3.1	-13.6	-30.5	-54.9
Deflection @ 10 MPH	--	0.6	1.4	2.5	4.0	5.9	10.9	17.7	26.5

Reloading Data

130 Grain A-Frame™



Bullet		Powder	Starting Load		Maximum Load		
Type	Grain Wt.	Type	Grain Wt.	Velocity	Grain Wt.	Velocity	Load Density
Hodgdon Powder Company							
Swift A-Frame	130	H-414	50.7	2951	54.5	3111	87%
	130	H-4350	51.2	2872	55.0	3099	88%
	130	H-4831	55.8	2899	60.0	3105	96%
Alliant Powder Company							
Swift A-Frame	130	*RL-15	45.6	2906	49.0	3060	79%
	130	RL-19	52.5	2823	56.5	3101	91%
	130	RL-22	55.3	2866	59.5	3138	96%
IMR Powder Company							
Swift A-Frame	130	IMR-4350	50.2	2840	54.0	3105	87%
	130	IMR-4831	51.6	2836	55.5	3119	89%
	130	IMR-7828	53.9	2811	58.0	3081	93%

*Lowest Standard Deviation on Velocity

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

270 Winchester 130 Grain A-Frame™

Test Components

Case	Federal	Barrel Length	24"
Primer	Federal 210	Barrel Twist	1-10"
Test Barrel	Wiseman		

Optimum Hunting Ballistics

250 yard zero

Sectional Density: 0.242 Ballistic Coefficient: 0.323

Distance in Yards	Muzz.	100	150	200	250	300	400	500	600
Velocity	2950	2662	2525	2392	2263	2137	1899	1679	1481
Energy	2513	2046	1841	1652	1478	1319	1041	814	633
Bullet Path	-1.5	+2.9	+3.4	+2.4	zero	-4.1	-18.4	-42.3	-78.6
Deflection @ 10 MPH	--	0.9	2.2	4.0	6.4	9.4	17.7	29.4	45.0
Velocity	3000	2709	2570	2436	2305	2179	1938	1715	1512
Energy	2599	2119	1907	1713	1534	1371	1084	849	660
Bullet Path	-1.5	+2.8	+3.2	+2.3	zero	-4.0	-17.7	-40.7	-75.6
Deflection @ 10 MPH	--	0.9	2.1	3.9	6.2	9.2	17.3	28.7	43.9
Velocity	3050	2756	2615	2480	2348	2220	1976	1750	1544
Energy	2686	2192	1975	1775	1592	1423	1128	884	688
Bullet Path	-1.5	+2.7	+3.1	+2.3	zero	-3.8	-17.0	-39.1	-72.7
Deflection @ 10 MPH	--	0.9	2.1	3.8	6.1	9.0	16.9	28.0	42.8
Velocity	3100	2802	2661	2524	2390	2261	2015	1786	1576
Energy	2775	2267	2044	1839	1650	1477	1172	921	717
Bullet Path	-1.5	+2.6	+3.0	+2.2	zero	-3.7	-16.4	-37.7	-70.0
Deflection @ 10 MPH	--	0.9	2.0	3.7	5.9	8.8	16.5	27.3	41.8
Velocity	3150	2849	2706	2567	2433	2303	2054	1821	1608
Energy	2865	2343	2114	1903	1709	1531	1218	958	747
Bullet Path	-1.5	+2.4	+2.9	+2.1	zero	-3.6	-15.8	-36.3	-67.4
Deflection @ 10 MPH	--	0.9	2.0	3.6	5.8	8.6	16.1	26.7	40.8

Reloading Data

140 Grain A-Frame™



Bullet		Powder	Starting Load		Maximum Load		
Type	Grain Wt.	Type	Grain Wt.	Velocity	Grain Wt.	Velocity	Load Density
Hodgdon Powder Company							
Swift A-Frame	140	H-414	49.8	2817	53.5	3017	88%
	140	H-4350	50.7	2802	54.5	3017	90%
	140	*H-4831	55.3	2807	59.5	3033	98%
Alliant Powder Company							
Swift A-Frame	140	RL-15	45.1	2790	48.5	2962	80%
	140	RL-19	52.1	2739	56.0	2997	92%
	140	RL-22	55.3	2829	59.5	3071	98%
IMR Powder Company							
Swift A-Frame	140	IMR-4350	49.8	2756	53.5	2990	88%
	140	IMR-4831	50.7	2713	54.5	3004	90%
	140	IMR-7828	53.5	2724	57.5	3002	95%

*Lowest Standard Deviation on Velocity

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

270 Winchester

140 Grain A-Frame™

Test Components

Case
Primer
Test Barrel

Federal
Federal 210
Wiseman

Barrel Length 24"
Barrel Twist 1–10"

Optimum Hunting Ballistics

250 yard zero

Sectional Density: 0.261

Ballistic Coefficient: 0.414

Distance in Yards	Muzz.	100	150	200	250	300	400	500	600
Velocity	2850	2629	2522	2418	2316	2217	2026	1844	1675
Energy	2526	2149	1978	1818	1668	1528	1276	1058	872
Bullet Path	-1.5	+3.0	+3.4	+2.4	zero	-4.1	-17.7	-39.8	-72.1
Deflection @ 10 MPH	--	0.8	1.8	3.2	5.1	7.5	13.9	22.6	34.2
Velocity	2900	2676	2568	2463	2361	2260	2067	1883	1711
Energy	2615	2227	2051	1887	1733	1588	1328	1103	910
Bullet Path	-1.5	+2.9	+3.3	+2.3	zero	-3.9	-17.0	-38.2	-69.3
Deflection @ 10 MPH	--	0.7	1.7	3.1	5.0	7.3	13.5	22.1	33.3
Velocity	2950	2724	2615	2509	2405	2303	2108	1922	1747
Energy	2706	2307	2126	1957	1798	1650	1381	1149	949
Bullet Path	-1.5	+2.7	+3.1	+2.3	zero	-3.8	-16.3	-36.8	-66.6
Deflection @ 10 MPH	--	0.7	1.7	3.0	4.8	7.1	13.2	21.5	32.4
Velocity	3000	2771	2661	2554	2449	2346	2149	1961	1784
Energy	2799	2388	2202	2028	1865	1712	1436	1196	989
Bullet Path	-1.5	+2.6	+3.0	+2.2	zero	-3.6	-15.7	-35.4	-64.1
Deflection @ 10 MPH	--	0.7	1.6	3.0	4.7	6.9	12.8	21.0	31.6
Velocity	3050	2819	2707	2599	2493	2389	2190	2000	1820
Energy	2893	2470	2279	2100	1932	1775	1491	1244	1030
Bullet Path	-1.5	+2.5	+2.9	+2.1	zero	-3.5	-15.1	-34.1	-61.7
Deflection @ 10 MPH	--	0.7	1.6	2.9	4.6	6.8	12.5	20.5	30.8

Reloading Data

150 Grain A-Frame™



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-414	47.0	2743	50.5	2882	85%
	150	H-4350	48.8	2729	52.5	2897	88%
	150	H-4831	53.9	2762	58.0	2958	97%
Alliant Powder Company							
Swift A-Frame	150	RL-15	43.7	2690	47.0	2835	79%
	150	RL-19	51.2	2716	55.0	2943	92%
	150	*RL-22	53.5	2738	57.5	2983	97%
IMR Powder Company							
Swift A-Frame	150	IMR-4350	48.8	2691	52.5	2895	88%
	150	IMR-4831	51.2	2710	55.0	2940	92%
	150	IMR-7828	53.5	2740	57.5	2962	97%

*Lowest Standard Deviation on Velocity

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

270 Winchester 150 Grain A-Frame™

Test Components

Case	Federal	Barrel Length	24"
Primer	Federal 210	Barrel Twist	1-10"
Test Barrel	Wiseman		

Optimum Hunting Ballistics

250 yard zero

Sectional Density: 0.279 Ballistic Coefficient: 0.444

Distance in Yards	Muzz.	100	150	200	250	300	400	500	600
Velocity	2800	2596	2497	2400	2306	2213	2035	1865	1705
Energy	2612	2245	2077	1919	1771	1632	1379	1159	969
Bullet Path	-1.5	+3.1	+3.5	+2.5	zero	-4.1	-17.9	-40.0	-72.2
Deflection @ 10 MPH	--	0.7	1.7	3.0	4.8	7.1	13.1	21.4	32.1
Velocity	2850	2643	2543	2446	2350	2257	2076	1904	1742
Energy	2706	2328	2155	1993	1840	1697	1436	1208	1011
Bullet Path	-1.5	+2.9	+3.3	+2.4	zero	-4.0	-17.2	-38.5	-69.4
Deflection @ 10 MPH	--	0.7	1.6	3.0	4.7	6.9	12.8	20.8	31.3
Velocity	2900	2691	2590	2491	2395	2301	2118	1944	1779
Energy	2802	2413	2235	2068	1911	1763	1495	1259	1055
Bullet Path	-1.5	+2.8	+3.2	+2.3	zero	-3.8	-16.5	-37.0	-66.7
Deflection @ 10 MPH	--	0.7	1.6	2.9	4.6	6.7	12.4	20.3	30.4
Velocity	2950	2739	2637	2537	2440	2344	2160	1984	1817
Energy	2899	2499	2316	2144	1983	1831	1554	1311	1100
Bullet Path	-1.5	+2.7	+3.1	+2.2	zero	-3.7	-15.9	-35.6	-64.1
Deflection @ 10 MPH	--	0.7	1.6	2.8	4.5	6.6	12.1	19.7	29.7
Velocity	3000	2786	2683	2583	2484	2388	2201	2023	1854
Energy	2998	2586	2399	2222	2056	1899	1614	1364	1145
Bullet Path	-1.5	+2.6	+2.9	+2.1	zero	-3.5	-15.3	-34.3	-61.7
Deflection @ 10 MPH	--	0.7	1.5	2.7	4.4	6.4	11.8	19.3	28.9