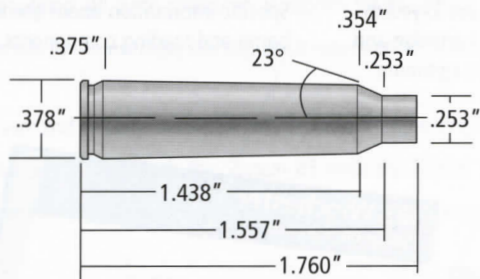


223 Remington



Origin	USA
Ammunition Available	1964
Bullet Diameter	0.224"
Maximum Cartridge O.A.L.	2.260"
Maximum Case Length	1.760"
Trim Length	1.750"

About the Cartridge

The 223 Remington, developed as a military rifle cartridge (Now called the "5.56 x 45mm NATO" in military terms.) was introduced as a commercial round by Remington in 1964 and is based on the original 222 Remington case head size. While only slightly longer than the 222 parent, the 223 has a shorter neck resulting in a longer body for more case capacity and higher velocity. Originally, a 55-grain bullet weight was standard in this cartridge but in more recent years shooters are utilizing longer and heavier bullets weighing as much as 75 grains in some instances. While the ANSI-standard rifling twist and the one used in most hunting rifles today is 1-12, a twist of 1-7 or 1-8 is needed to stabilize bullets weighing upward of 60 grains.



Bullet Specifications

Scirocco™ Spitzer (.224" diameter)

Grain Weight

62



B.C. .307
Sec. Den. .177

75



B.C. .419
Sec. Den. .214

Loaded Cartridge Example

Scirocco™
(62 grain)



2.260"
O.A.L.

Reloading Data

62 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	62	H-4895	22.0	2642	23.7	2945	90%
	62	CFE223	24.1	2803	26.0	3016	98%
	62	Varget	22.3	2711	24.0	2911	91%

Alliant Powder Company

Swift Scirocco	62	*RL-15	21.6	2628	23.3	2855	88%
	62	RL-17	24.9	2641	26.8	2879	102%
	62	RL-2000MR	23.2	2640	25.0	2903	95%

IMR Powder Company

Swift Scirocco	62	IMR-3031	20.2	2681	21.8	2835	83%
	62	IMR-4064	22.3	2679	24.0	2899	91%
	62	IMR-4895	21.8	2630	23.5	2869	89%

Vihtavuori Powder

Swift Scirocco	62	N-135	19.5	2640	21.0	2783	80%
	62	*N-140	20.7	2584	22.3	2756	84%
	62	N-530	19.3	2569	20.8	2786	79%

Norma Powder Company

Swift Scirocco	62	201	20.7	2592	22.3	2833	84%
	62	202	21.3	2625	23.0	2838	87%
	62	203-B	21.8	2723	23.5	2895	89%

*Lowest Standard Deviation on Velocity

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

223 Remington 62 Grain Scirocco™

Test Components

Case	Remington	Barrel Length	24"
Primer	CCI-400	Barrel Twist	1-8"
Test Barrel	Wiseman		

Optimum Hunting Ballistics

200 yard zero

Sectional Density: 0.177 Ballistic Coefficient: 0.307

Distance in Yards	Muzz.	100	150	200	250	300	350	400	500
Velocity	2850	2554	2413	2277	2145	2017	1894	1776	1557
Energy	1119	898	802	714	633	560	494	434	334
Bullet Path	-1.5	+1.9	+1.7	zero	-3.4	-8.7	-16.1	-25.9	-54.3
Deflection @ 10 MPH	--	1.0	2.4	4.4	7.1	10.5	14.8	19.9	33.1
Velocity	2900	2601	2459	2321	2187	2058	1934	1814	1591
Energy	1158	931	832	742	659	583	515	453	349
Bullet Path	-1.5	+1.8	+1.6	zero	-3.3	-8.3	-15.4	-24.9	-52.1
Deflection @ 10 MPH	--	1.0	2.4	4.3	6.9	10.3	14.4	19.4	32.3
Velocity	2950	2648	2504	2364	2230	2099	1973	1852	1625
Energy	1198	965	863	770	685	607	536	472	364
Bullet Path	-1.5	+1.7	+1.6	zero	-3.1	-8.0	-14.8	-23.9	-50.0
Deflection @ 10 MPH	--	1.0	2.3	4.2	6.8	10.0	14.0	18.9	31.4
Velocity	3000	2694	2549	2408	2272	2140	2013	1890	1660
Energy	1239	1000	895	799	711	631	558	492	379
Bullet Path	-1.5	+1.7	+1.5	zero	-3.0	-7.7	-14.3	-23.0	-48.1
Deflection @ 10 MPH	--	1.0	2.2	4.1	6.6	9.8	13.7	18.4	30.7
Velocity	3050	2741	2594	2452	2314	2181	2052	1928	1694
Energy	1281	1034	927	828	738	655	580	512	395
Bullet Path	-1.5	+1.6	+1.4	zero	-2.9	-7.4	-13.7	-22.1	-46.3
Deflection @ 10 MPH	--	1.0	2.2	4.0	6.4	9.5	13.4	18.0	29.9

Reloading Data

75 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	75	H-414	23.7	2551	25.5	2697	102%
	75	CFE223	22.3	2564	24.0	2761	96%
	75	Varget	20.7	2406	22.3	2654	90%
Alliant Powder Company							
Swift Scirocco	75	RL-15	20.2	2444	21.8	2652	88%
	75	RL-17	24.6	2521	26.5	2768	106%
	75	RL-2000-MR	24.2	2641	26.0	2791	104%
IMR Powder Company							
Swift Scirocco	75	IMR-4064	21.4	2487	23.0	2666	92%
	75	IMR-4320	21.8	2534	23.5	2685	94%
	75	IMR-4895	21.4	2540	23.0	2669	92%
Vihtavouri Powder							
Swift Scirocco	75	N-135	17.6	2302	19.0	2412	76%
	75	N-140	19.5	2315	21.0	2484	84%
	75	N-530	18.1	2311	19.5	2502	78%
Norma Powder Company							
Swift Scirocco	75	*201	20.4	2472	22.0	2677	88%
	75	202	20.9	2471	22.5	2662	90%
	75	203-B	20.0	2447	21.6	2617	87%

*Lowest Standard Deviation on Velocity

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

223 Remington 75 Grain Scirocco™

Test Components

Case Remington
 Primer CCI-400
 Test Barrel Wiseman

Barrel Length 24"
 Barrel Twist 1-8"

Optimum Hunting Ballistics

200 yard zero

Sectional Density: 0.214 Ballistic Coefficient: 0.419

Distance in Yards	Muzz.	100	150	200	250	300	350	400	500
Velocity	2650	2441	2340	2241	2145	2051	1959	1870	1701
Energy	1170	992	912	837	766	701	639	583	482
Bullet Path	-1.5	+2.2	+1.9	zero	-3.6	-9.1	-16.7	-26.5	-53.9
Deflection @ 10 MPH	--	0.8	1.9	3.5	5.6	8.2	11.4	15.2	24.9
Velocity	2700	2488	2386	2287	2189	2094	2001	1911	1739
Energy	1214	1031	949	871	798	730	667	608	504
Bullet Path	-1.5	+2.1	+1.8	zero	-3.5	-8.7	-16.0	-25.4	-51.6
Deflection @ 10 MPH	--	0.8	1.9	3.4	5.4	8.0	11.1	14.8	24.2
Velocity	2750	2536	2433	2332	2234	2137	2044	1952	1778
Energy	1260	1071	986	906	831	761	696	635	526
Bullet Path	-1.5	+2.0	+1.7	zero	-3.3	-8.4	-15.3	-24.4	-49.5
Deflection @ 10 MPH	--	0.8	1.8	3.3	5.3	7.8	10.8	14.4	23.6
Velocity	2800	2584	2479	2377	2278	2181	2086	1993	1816
Energy	1306	1112	1024	942	864	792	725	662	549
Bullet Path	-1.5	+1.9	+1.6	zero	-3.2	-8.0	-14.7	-23.4	-47.5
Deflection @ 10 MPH	--	0.8	1.8	3.2	5.1	7.6	10.5	14.0	22.9
Velocity	2850	2631	2526	2423	2322	2224	2128	2035	1855
Energy	1353	1153	1063	978	898	824	754	690	573
Bullet Path	-1.5	+1.8	+1.6	zero	-3.0	-7.7	-14.1	-22.5	-45.6
Deflection @ 10 MPH	--	0.8	1.7	3.1	5.0	7.4	10.2	13.7	22.3