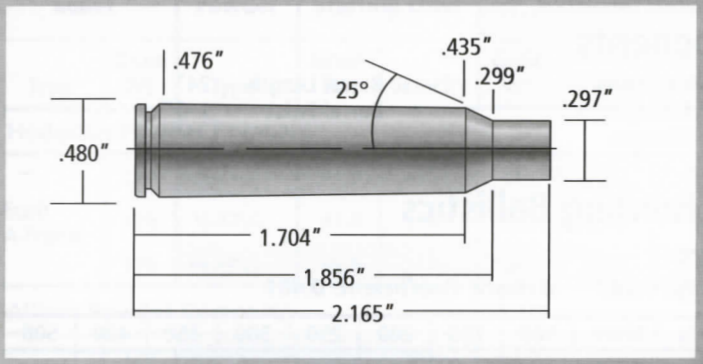
6.5x55 Swedish Mauser



Origin	**Sweden**
Ammunition Available	**1894**
Bullet Diameter	**0.264"**
Maximum Cartridge O.A.L.	**3.150"**
Maximum Case Length	**2.165"**
Trim Length	**2.155"**

About the Cartridge

The 6.5x55mm cartridge has been around at least since 1894 when it was adopted as the service cartridge for both Norway and Sweden. It has performed admirably on both the competition target range and in the game fields ever since. While American big-game hunters might look upon the cartridge as being light for game the size of moose, it is used to take many thousands of moose in the Scandinavian countries every year. The round not only performs admirably on game, it is mild of report and recoil, making it one of those cartridges that is a pure pleasure to shoot. No doubt the precision shot placement possible with such a round goes a long way toward producing such great performance on game. American hunters consider the 6.5x55 Swede to be just right for deer, antelope, and black bear-size game.

Bullet Specifications

Scirocco™ Spitzer (.264" diameter)

Grain Weight		
130		B.C. .571 Sec. Den. .266

A-Frame™ Semi-Spitzer (.264" diameter)

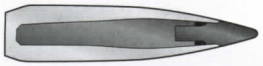
Grain Weight		
120		B.C. .344 Sec. Den. .246
140		B.C. .401 Sec. Den. .287

Loaded Cartridge Example

Scirocco™ (130 grain) A-Frame™ (140 grain)

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	13	*H-4831	41.8	2450	45.0	2678	88%
	130	Hybrid100V	39.9	2521	43.0	2682	84%
Alliant Powder Company							
Swift Scirocco	130	RL-17	39.5	2560	43.0	2723	84%
	130	RL-19	41.8	2470	45.5	2685	89%
	130	RL-4000MR	41.3	2526	44.5	2692	87%
IMR Powder Company							
Swift Scirocco	130	IMR-4350	39.5	2453	42.5	2650	83%
	130	IMR-4831	40.4	2487	43.5	2654	85%
Vihtavuori Powder							
Swift Scirocco	130	N-550	37.6	2461	40.5	2654	79%
	130	N-560	43.2	2490	46.5	2730	91%
Norma Powder Company							
Swift Scirocco	130	204	39.5	2463	42.5	2653	83%
	130	MRP	43.2	2498	46.5	2689	91%

**Lowest Standard Deviation on Velocity*

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

6.5x55mm Swedish Mauser

130 Grain Scirocco™

Test Components

Case	Norma	**Barrel Length**	24"
Primer	Federal 210	**Barrel Twist**	1–8"
Test Barrel	Wiseman		

Optimum Hunting Ballistics

200 yard zero

Sectional Density: 0.266 ***Ballistic Coefficient: 0.571***

Distance in Yards	Muzz.	100	150	200	250	300	350	400	500
Velocity	**2550**	2399	2325	2253	2182	2112	2043	1976	1846
Energy	1877	1662	1561	1465	1374	1288	1205	1127	984
Bullet Path	-1.5	**+2.3**	+1.9	**zero**	-3.7	-9.1	-16.6	-26.1	-51.9
Deflection @ 10 MPH	--	0.6	1.5	2.7	4.2	6.2	8.5	11.3	18.2
Velocity	**2600**	2447	2373	2300	2228	2157	2087	2019	1887
Energy	1952	1729	1625	1527	1433	1343	1258	1177	1028
Bullet Path	-1.5	**+2.2**	+1.8	**zero**	-3.5	-8.7	-15.9	-25.0	-49.7
Deflection @ 10 MPH	--	0.6	1.4	2.6	4.1	6.0	8.3	11.0	17.7
Velocity	**2650**	2495	2420	2346	2273	2202	2132	2063	1929
Energy	2028	1798	1691	1589	1492	1400	1312	1229	1074
Bullet Path	-1.5	**+2.0**	+1.8	**zero**	-3.3	-8.4	-15.2	-23.9	-47.6
Deflection @ 10 MPH	--	0.6	1.4	2.5	4.0	5.8	8.0	10.7	17.2
Velocity	**2700**	2544	2468	2393	2319	2247	2176	2106	1971
Energy	2105	1868	1758	1653	1553	1458	1367	1281	1121
Bullet Path	-1.5	**+1.9**	+1.7	**zero**	-3.2	-8.0	-14.6	-22.9	-45.7
Deflection @ 10 MPH	--	0.6	1.4	2.4	3.9	5.7	7.8	10.4	16.7
Velocity	**2750**	2592	2515	2439	2365	2292	2220	2150	2012
Energy	2184	1940	1826	1718	1615	1517	1423	1334	1169
Bullet Path	-1.5	**+1.8**	+1.6	**zero**	-3.1	-7.7	-14.0	-22.0	-43.8
Deflection @ 10 MPH	--	0.6	1.3	2.4	3.8	5.5	7.6	10.1	16.3

Reloading Data

120 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	120	H-4831	43.2	2563	46.5	2663	84%
Alliant Powder Company							
Swift A-Frame	120	*RL-19	43.2	2612	46.5	2724	84%
	120	RL-22	45.1	2612	48.5	2701	88%
IMR Powder Company							
Swift A-Frame	120	IMR-4350	39.1	2516	42.0	2668	76%
	120	IMR-4831	42.3	2629	45.5	2718	83%
Vihtavuori Powder							
Swift A-Frame	120	N-550	39.5	2595	42.5	2819	77%
	120	N-560	43.7	2549	47.0	2790	85%
Norma Powder Company							
Swift A-Frame	120	204	40.9	2560	44.5	2793	80%
	120	MRP	45.1	2595	48.5	2810	88%

**Lowest Standard Deviation on Velocity*

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6.5x55mm Swedish Mauser

120 Grain A-Frame™

Test Components

Case	Norma	**Barrel Length**	24"
Primer	Federal 210	**Barrel Twist**	1–8"
Test Barrel	Wiseman		

Optimum Hunting Ballistics

200 yard zero

Sectional Density: 0.246 ***Ballistic Coefficient: 0.344***

Distance in Yards	Muzz.	100	150	200	250	300	350	400	500
Velocity	**2650**	2396	2275	2157	2042	1932	1825	1722	1530
Energy	1872	1531	1379	1240	1112	994	887	790	624
Bullet Path	-1.5	**+2.3**	+2.0	**zero**	-3.9	-9.8	-18.1	-28.9	-59.9
Deflection @ 10 MPH	--	1.0	2.4	4.3	6.9	10.3	14.4	19.3	31.9
Velocity	**2700**	2444	2321	2201	2086	1973	1865	1760	1565
Energy	1943	1591	1435	1292	1159	1038	927	826	653
Bullet Path	-1.5	**+2.2**	+1.9	**zero**	-3.7	-9.4	-17.3	-27.7	-57.3
Deflection @ 10 MPH	--	1.0	2.3	4.2	6.8	10.0	14.0	18.8	31.0
Velocity	**2750**	2491	2367	2246	2129	2015	1905	1799	1600
Energy	2016	1653	1493	1344	1208	1082	967	863	683
Bullet Path	-1.5	**+2.1**	+1.8	**zero**	-3.5	-9.0	-16.6	-26.6	-54.9
Deflection @ 10 MPH	--	1.0	2.3	4.1	6.6	9.7	13.6	18.3	30.2
Velocity	**2800**	2538	2412	2291	2172	2057	1946	1838	1636
Energy	2090	1717	1551	1398	1257	1128	1009	901	713
Bullet Path	-1.5	**+2.0**	+1.7	**zero**	-3.4	-8.6	-15.9	-25.5	-52.7
Deflection @ 10 MPH	--	1.0	2.2	4.0	6.4	9.5	13.2	17.8	29.4
Velocity	**2850**	2585	2458	2335	2215	2099	1986	1877	1672
Energy	2165	1781	1611	1453	1308	1174	1052	939	745
Bullet Path	-1.5	**+1.9**	+1.7	**zero**	-3.2	-8.3	-15.3	-24.4	-50.5
Deflection @ 10 MPH	--	0.9	2.1	3.9	6.2	9.2	12.9	17.3	28.6

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-1000	44.2	2330	47.5	2486	90%
	140	H-4350	36.3	2390	39.0	2449	74%
Alliant Powder Company							
Swift A-Frame	140	*RL-19	40.9	2425	44.0	2526	83%
	140	RL-22	42.8	2428	46.0	2532	87%
IMR Powder Company							
Swift A-Frame	140	IMR-4350	38.1	2397	41.0	2507	77%
	140	IMR-4831	39.5	2401	42.5	2503	80%
Vihtavuori Powder							
Swift A-Frame	140	N-550	36.2	2310	39.0	2496	75%
	140	N-560	41.3	2360	44.5	2564	85%
Norma Powder Company							
Swift A-Frame	140	204	38.4	2352	41.3	2497	79%
	140	MRP	41.8	2371	45.0	2564	86%

Lowest Standard Deviation on Velocity

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Loads less than minimum charges shown are not recommended

6.5x55mm Swedish Mauser

140 Grain A-Frame™

Test Components

Case	Norma	**Barrel Length**	24"
Primer	Federal 210	**Barrel Twist**	1–8"
Test Barrel	Wiseman		

Optimum Hunting Ballistics

200 yard zero

Sectional Density: 0.287 ***Ballistic Coefficient: 0.401***

Distance in Yards	Muzz.	100	150	200	250	300	350	400	500
Velocity	**2400**	2194	2094	1997	1903	1812	1724	1640	1481
Energy	1791	1496	1364	1240	1126	1021	924	836	682
Bullet Path	-1.5	**+2.9**	+2.4	**zero**	-4.6	-11.6	-21.3	-33.9	-69.1
Deflection @ 10 MPH	--	1.0	2.3	4.2	6.8	10.0	13.9	18.6	30.5
Velocity	**2450**	2241	2140	2042	1947	1855	1765	1679	1517
Energy	1866	1562	1425	1297	1179	1070	969	876	716
Bullet Path	-1.5	**+2.7**	+2.3	**zero**	-4.4	-11.1	-20.3	-32.3	-65.9
Deflection @ 10 MPH	--	1.0	2.3	4.1	6.6	9.7	13.5	18.1	29.6
Velocity	**2500**	2289	2187	2088	1991	1897	1806	1719	1553
Energy	1943	1629	1487	1355	1233	1119	1015	918	750
Bullet Path	-1.5	**+2.6**	+2.2	**zero**	-4.2	-10.6	-19.4	-30.8	-62.9
Deflection @ 10 MPH	--	1.0	2.2	4.0	6.4	9.4	13.1	17.5	28.7
Velocity	**2550**	2336	2233	2133	2035	1940	1848	1758	1590
Energy	2022	1697	1551	1415	1288	1170	1062	962	786
Bullet Path	-1.5	**+2.4**	+2.1	**zero**	-4.0	-10.1	-18.5	-29.5	-60.1
Deflection @ 10 MPH	--	0.9	2.1	3.9	6.2	9.1	12.7	17.0	27.9
Velocity	**2600**	2384	2280	2178	2079	1983	1889	1799	1627
Energy	2102	1767	1616	1475	1344	1223	1110	1006	823
Bullet Path	-1.5	**+2.3**	+2.0	**zero**	-3.8	-9.7	-17.7	-28.2	-57.5
Deflection @ 10 MPH	--	0.9	2.1	3.8	6.0	8.9	12.4	16.5	27.1