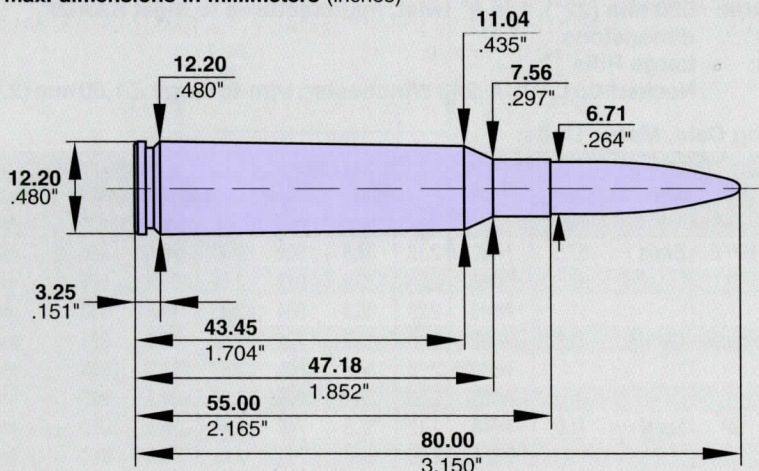


6.5 x 55 Swedish Mauser

CIP max. dimensions in millimeters (inches)



Country of origin:	Sweden
Year of introduction:	1894
Max. bullet diameter:	6.71 mm (.264")
Max. cartridge length:	80.00 mm (3.150")
Max. case length:	55.00 mm (2.165"), trim to 54.80 mm (2.157")
Max. CIP piezo pressure:	380 MPa (55100 psi)

The 6.5 x 55 Swedish Mauser is an excellent and deservedly popular military cartridge. Adopted as the Swedish service cartridge in 1894 and chambered in three different Mauser rifle models, the cartridge is today widely popular in Scandinavia for hunting all types of game including moose and it continues to gain boosters in the USA, too.

Many of the Swedish Mausers were manufactured by Mauser in Germany before WW I, the balance by Carl Gustafs Stad, (in Eskilstuna), Sweden, in the 1920's, 30's and 40's. Both rifles were of excellent quality, which has caused them to be gunsmith favorites for custom work, and many of these excellent rifles were sporterized leaving them in their original caliber. The sporterized rifles were used for hunting, for 300-meter target shooting, and for other forms of rifle competition, too. Today practically all major rifle manufacturers offer rifles chambered for 6.5 x 55 Swedish Mauser.

The recoil of the 6.5 x 55 Swedish Mauser is low and the accuracy superb. It is an excellent deer and antelope cartridge. Hunters in Scandinavian countries widely use it for moose with success. Because of its flat trajectory and the availability of premium match bullets, it is an outstanding choice for long-range target shooting, too.

6.5 x 55 Swedish Mauser

TEST COMPONENTS:

Test barrel: 630 mm (26 1/2"), 1 in 8 1/2" twist, manufactured to meet CIP minimum dimensions.

Primers: Large Rifle

Cases: LAPUA, trim-to length 54.80 mm (2.157")

Reloading Data, Metric Units:

Bullet				Powder	Starting Load			Maximum Load			
Weight [g]	Type	Mfg.	C.O.L. [mm]	Type	Weight [g]	[grs]	Velocity [m/s]	Weight [g]	[grs]	Velocity [m/s]	Pressure [MPa]
5.0	SP	Norma	66.5	N133				2.75	42.4	1030	355
				N135				2.86	44.1	1030	355
				N140				2.92	45.1	1035	355
5.2	FMJ	Norma	66.5	N140				2.88	44.4	1000	max.
5.5	HP	Sierra	71.1	N150	2.84	43.8	915	2.99	46.1	991	max.
6.5	HP	Sierra	72.4	N140	2.59	40.0	839	2.74	42.3	890	max.
				N540	2.58	39.8	823	2.82	43.5	908	max.
				N150	2.64	40.7	832	2.81	43.4	891	max.
				N550	2.76	42.6	850	2.99	46.1	932	max.
				N160	3.07	47.4	850	3.28	50.6	916	max.
				N160	2.99	46.1	838	3.30	50.9	922	max.
6.5	FMJ	LAPUA	70.0	N160	2.99	46.1	838	3.30	50.9	922	max.
7.0	Scenar	LAPUA	78.0	N140	2.37	36.6	771	2.59	40.0	849	max.
				N540	2.43	37.5	797	2.65	40.9	877	max.
				N150	2.56	39.5	830	2.73	42.1	881	max.
				N550	2.66	41.0	829	2.88	44.4	912	max.
				N160	3.04	46.9	849	3.20	49.4	903	max.
				N560	3.12	48.1	846	3.35	51.7	918	max.
				N165	3.16	48.8	860	3.32	51.2	914	max.
				N140	2.42	37.3	822	2.70	41.7	898	max.
7.0	Silver Jacket	LAPUA	80.0	N140	2.42	37.3	822	2.70	41.7	898	max.
	Scenar			N540	2.52	38.9	825	2.80	43.1	920	max.
	N150			2.49	38.4	817	2.81	43.4	907	max.	
7.8	HPBT	Sierra	76.8	N140	2.26	34.9	716	2.56	39.5	800	max.
				N540	2.38	36.7	754	2.64	40.7	833	max.
				N150	2.35	36.3	729	2.63	40.6	809	max.
				N550	2.56	39.5	775	2.81	43.4	863	max.
				N160	2.89	44.6	795	3.14	48.5	860	max.
				N560	3.03	46.8	792	3.20	49.4	854	max.
8.0	Scenar	LAPUA	80.0	N140	2.25	34.7	699	2.61	40.3	810	max.
				N540	2.34	36.2	708	2.70	41.7	826	max.
				N150	2.37	36.6	703	2.71	41.8	817	max.

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NOTE!

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INDICATES MAXIMUM LOAD - USE WITH CAUTION!

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED

6.5 x 55 Swedish Mauser

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Reloading Data, Metric Units:

Bullet				Powder	Starting Load			Maximum Load			
Weight [g]	Type	Mfg.	C.O.L. [mm]	Type	Weight [g]	Velocity [m/s]		Weight [g]	Velocity [m/s]	Pressure [MPa]	
8.0	Silver Jacket Scenar	LAPUA	80.0	N150	2.40	37.1	778	2.68	41.3	848	max.
				N550	2.41	37.2	766	2.82	43.5	880	max.
				N160	2.75	42.4	790	2.92	45.1	840	max.
8.4	HPBT	Norma	80.0	N140	2.19	33.8	698	2.47	38.1	775	max.
				N540	2.24	34.6	718	2.52	38.9	795	max.
				N150	2.19	33.8	691	2.51	38.7	772	max.
				N550	2.46	38.0	733	2.74	42.3	820	max.
				N160	2.70	41.7	730	2.99	46.1	811	max.
9.0	HPBT	Norma	78.0	N560	2.94	45.4	770	3.20	49.4	850	max.
				N150	2.19	33.8	665	2.49	38.4	749	max.
				N550	2.45	37.8	715	2.66	41.0	787	max.
				N160	2.65	40.9	707	2.90	44.8	782	max.
				N560	2.79	43.1	716	3.10	47.8	812	max.
9.0	Scenar	LAPUA	79.4	N165	2.93	45.2	734	3.18	49.1	806	max.
				N150	2.07	31.9	641	2.40	37.0	720	max.
				N550	2.38	36.7	693	2.60	40.1	767	max.
				N160	2.67	41.2	720	2.88	44.4	785	max.
				N560	2.80	43.2	735	3.04	46.9	809	max.
9.0	Silver Jacket Scenar	LAPUA	80.0	N165	2.88	44.4	731	3.15	48.6	803	max.
				N550	2.37	36.6	710	2.68	41.3	822	max.
				N160	2.54	39.2	746	2.88	44.4	807	max.
				N560	2.73	42.1	734	3.10	47.8	837	max.
				N150	2.15	33.2	664	2.45	37.8	737	max.
9.1	HPBT	Sierra	78.5	N550	2.41	37.2	700	2.65	40.9	776	max.
				N160	2.74	42.3	730	2.96	45.7	794	max.
				N560	2.86	44.1	748	3.08	47.5	818	max.
				N165	2.92	45.1	735	3.18	49.1	807	max.
				N150	2.08	32.1	670	2.24	34.6	713	max.
9.3	FMJBT	LAPUA	79.0	N160	2.68	41.4	727	2.86	44.1	769	max.
				N560	2.80	43.2	725	3.08	47.5	807	max.
				N165	2.75	42.4	731	2.94	46.0	775	max.
				N170	2.98	46.0	679	3.31	51.1	770	max.

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6.5 x 55 Swedish Mauser

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Reloading Data, Metric Units:

Bullet				Powder	Starting Load			Maximum Load			
Weight [g]	Type	Mfg.	C.O.L. [mm]	Type	Weight [g]	[grs]	Velocity [m/s]	Weight [g]	[grs]	Velocity [m/s]	Pressure [MPa]
10.0	HPBT	Sierra	76.0	N150	2.02	31.2	624	2.27	35.0	684	max.
				N550	2.28	35.2	658	2.54	39.2	727	max.
				N160	2.54	39.2	666	2.82	43.5	740	max.
10.0	HPBT	Sierra	79.0	N560	2.57	39.7	668	2.86	44.1	749	max.
				N165	2.65	40.9	657	3.00	46.3	739	max.
				N170	2.77	42.7	638	3.21	49.5	742	max.
10.0	Mega	LAPUA	73.0	N560	2.61	40.3	660	3.00	46.3	748	max.
				N165	2.62	40.4	655	3.05	47.1	733	max.
10.4	RN	Hornady	77.1	N140				2.39	36.9	715	355
				N160				2.91	44.9	765	355

Reloading Data, English Units:

Bullet				Powder	Starting Load			Maximum Load			
Weight [grs]	Type	Mfg.	C.O.L. [in.]	Type	Weight [grs]		Velocity [fps]	Weight [grs]		Velocity [fps]	Pressure [psi]
77	SP	Norma	2.620	N133				42.4		3380	51500
				N135				44.1		3380	51500
				N140				45.1		3400	51500
80	FMJ	Norma	2.620	N140				44.4		3280	max.
85	HP	Sierra	2.800	N150	43.9		3002	46.1		3252	max.
100	HP	Sierra	2.850	N140	40.0		2748	42.3		2916	max.
				N540	39.7		2696	43.4		2971	max.
				N150	40.6		2727	43.4		2920	max.
				N550	42.6		2784	46.0		3051	max.
				N160	47.3		2785	50.6		3001	max.
				N160	46.1		2748	51.0		3024	max.
108	Scenar	LAPUA	3.071	N140	36.6		2524	39.8		2780	max.
				N540	37.5		2611	40.8		2870	max.
				N150	39.5		2724	42.1		2890	max.
				N550	41.0		2720	44.4		2993	max.
				N160	47.0		2785	49.3		2963	max.
				N560	48.1		2774	51.6		3012	max.
				N165	48.7		2823	51.2		3000	max.

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INDICATES MAXIMUM LOAD - USE WITH CAUTION!

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED

6.5 x 55 Swedish Mauser

continues from the previous page ...

Reloading Data, English Units:

Bullet				Powder	Starting Load		Maximum Load			
Weight [grs]	Type	Mfg.	C.O.L. [in.]	Type	Weight [grs]	Velocity [fps]	Weight [grs]	Velocity [fps]	Pressure [psi]	
108	Silver Jacket	LAPUA	3.149	N140	37.3	2697	41.7	2946	max.	
	Scenar			N540	38.9	2707	43.1	3018	max.	
					N150	38.4	2680	43.4	2976	max.
120	HPBT	Sierra	3.024	N140	34.8	2346	39.4	2619	max.	
					N540	36.6	2470	40.6	2726	max.
					N150	36.3	2389	40.5	2648	max.
				N550	39.5	2544	43.4	2830	max.	
				N160	44.7	2607	48.4	2823	max.	
				N560	46.8	2599	49.3	2801	max.	
123	Scenar	LAPUA	3.150	N140	34.7	2292	40.3	2657	max.	
					N540	36.6	2305	41.8	2680	max.
					N150	36.2	2321	41.7	2709	max.
123	Silver Jacket	LAPUA	3.149	N150	37.1	2553	41.3	2782	max.	
	Scenar			N550	37.2	2513	43.5	2887	max.	
					N160	42.4	2592	45.1	2756	max.
130	HPBT	Norma	3.150	N140	33.7	2286	38.0	2537	max.	
					N540	34.5	2353	38.8	2602	max.
					N150	33.7	2263	38.6	2526	max.
				N550	37.9	2401	42.2	2684	max.	
				N160	41.7	2391	46.1	2654	max.	
				N560	45.3	2523	49.3	2784	max.	
139	Scenar	LAPUA	3.126	N150	31.9	2100	36.9	2357	max.	
					N550	36.7	2269	40.0	2510	max.
					N160	41.1	2359	44.4	2570	max.
					N560	43.1	2409	46.8	2648	max.
				N165	44.4	2395	48.5	2628	max.	
139	Silver Jacket	LAPUA	3.149	N550	36.6	2329	41.3	2697	max.	
	Scenar			N160	39.2	2448	44.4	2648	max.	
					N560	42.1	2408	47.8	2746	max.

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6.5 x 55 Swedish Mauser

continues from the previous page ...

Reloading Data, English Units:

Bullet				Powder	Starting Load		Maximum Load		
Weight [grs]	Type	Mfg.	C.O.L. [in.]	Type	Weight [grs]	Velocity [fps]	Weight [grs]	Velocity [fps]	Pressure [psi]
139	HPBT	Norma	3.071	N150	33.8	2182	38.4	2457	max.
				N550	37.8	2346	41.0	2582	max.
				N160	40.9	2320	44.8	2566	max.
				N560	43.1	2349	47.8	2664	max.
				N165	45.2	2408	49.1	2644	max.
140	HPBT	Sierra	3.091	N150	33.1	2173	37.8	2413	max.
				N550	37.1	2292	40.7	2540	max.
				N160	42.2	2392	45.6	2602	max.
				N560	44.1	2450	47.5	2677	max.
				N165	45.0	2408	49.0	2641	max.
144	FMJBT	LAPUA	79.0	N150	32.1	2198	34.6	2339	max.
				N160	41.4	2385	44.1	2523	max.
				N560	43.2	2379	47.5	2648	max.
				N165	42.4	2398	46.0	2543	max.
				N170	46.0	2228	51.1	2526	max.
155	HPBT	Sierra	3.110	N150	31.2	2047	35.0	2246	max.
				N550	35.2	2160	39.2	2386	max.
				N160	39.1	2186	43.5	2429	max.
				N560	39.7	2187	44.0	2452	max.
				N165	40.9	2151	46.1	2417	max.
155	Mega	LAPUA	2.874	N170	42.7	2086	49.3	2425	max.
				N560	40.3	2167	46.3	2454	max.
				N165	40.5	2150	47.0	2405	max.
160	RN	Hornady	3.035	N140			36.9	2350	51500
				N160			44.9	2510	51500

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