

6.5 x 55mm SWEDISH

Test Specifications:

Firearm Used: M96 Swedish Mauser

Barrel Length: 29.5"

Twist: 1 x 8.5"

Components:

Case: Federal

Trim-to Length: 2.155"

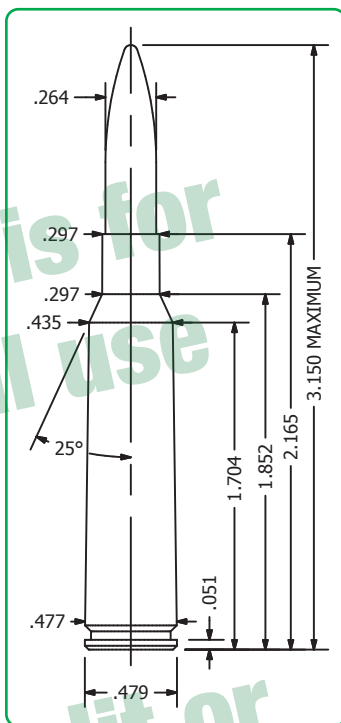
Primer: Fed 210

Remarks:


The 6.5x55mm was first adopted as a military cartridge over 100 years ago, and it is still an effective performer today. First introduced to the American shooting public in the form of inexpensive surplus military rifles, it has developed an enviable reputation for fine accuracy and mild recoil. In recent years, Remington, Winchester, Ruger, CZ, and Tikka have all chambered rifles for this cartridge, adding to its new found popularity among U.S. shooters. In the Scandinavian countries, however, the 6.5x55mm has always been a mainstay for both hunters and competitive match shooters.


By using Sierra bullets ranging from the 85 grain hollow point Varminter to the 140 grain SBT GameKing, the mild little Swede is capable of handling most North American hunting situations. As with any small caliber rifle used for big game, proper bullet selection and accurate shot placement are essential for optimum results. The GameChanger bullets will also add to the the versatility of the Swedish Mauser. Toughly constructed with Match accuracy giving deeper penetration on larger game animals.

Brass can be limited at times, with some Manufacturers doing seasonal runs. As with most foreign cartridges, military brass will be Berdan primed, making it unsuitable for reloading. Some sources have suggested making cases from the 270 or 30 06, but we do not recommend this practice. Such reformed cases will be approximately .007" undersized at the head and result in a pronounced bulge above the extractor groove when fired. In loading for the 6.5x55mm, bear in mind that the older military rifles were designed for pressures in the 45,000 psi range.





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Bullet Caliber Weight Type								C.O.A.L.
	#1700	.264"	85gr.	HP				2.800"
Powder	Velocity	3000	3100	3200	3300	3400	3500	
IMR 3031		39.3	40.5	41.7	42.9			
Benchmark			40.2	41.3				
IMR 4895		41.3	42.5	43.7	44.9	46.1		
Varget		41.5	42.7	43.9	45.1			
IMR 4064		40.3	41.5	42.7	43.9	45.1	46.3	
IMR 4320		42.0	43.2	44.3	45.5	46.6		
A 2700		43.9	45.2	46.4	47.7			
H380		44.4	45.6	46.9	48.1	49.4	50.6	
Viht N150		42.2	43.3	44.3				
RE 19		48.9	50.5	52.0				
Energy Ft. lbs		1698	1813	1932	2055	2181	2312	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs				
Accuracy Load	IMR 3031	41.7	3200	1932				
Hunting Load	IMR 4064	45.1	3400	2181				

Bullet Caliber Weight Type								C.O.A.L.
	#1710	.264"	100gr.	HP				2.850"
Powder	Velocity	2700	2800	2900	3000	3100	3200	
IMR 3031		35.8	37.2	38.6	40.0	41.4		
Benchmark			37.5	38.9	40.2			
IMR 4895		37.5	39.0	40.4	41.9	43.3		
Varget		37.5	39.0	40.6	42.1	43.6		
IMR 4064		37.3	38.7	40.0	41.4	42.7	44.1	
IMR 4320		37.7	39.1	40.5	41.9	43.3	44.7	
A 2700			42.3	43.9	45.5	47.1		
H380				42.7	44.3	45.8	47.4	
Viht N150		37.0	38.7	40.4	42.1			
RE 19			46.0	47.6	49.3	50.9		
Energy Ft. lbs		1618	1741	1867	1998	2133	2273	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs				
Accuracy Load	IMR 3031	40.0	3000	1998				
Hunting Load	IMR 4064	44.1	3200	2273				



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Bullet		Caliber	Weight	Type	C.O.A.L.		
	#1715	.264"	107gr.	HPBT MatchKing	3.000"		
	#7407	.264"	107gr.	TMK	3.000"		
Powder	Velocity	2700	2800	2900	3000	3100	3200
IMR 3031			35.8	37.4	39.0	40.6	
Benchmark			35.8	37.0	38.2		
IMR 4895		37.9	39.2	40.5	41.8		
Varget		38.1	39.4	40.7	42.0		
IMR 4064		38.8	40.1	41.4	42.7		
IMR 4320		38.3	39.7	41.1	42.5		
A 2700		41.0	42.4	43.8	45.2		
H380			42.1	43.4	44.7	46.0	47.3
Viht N150		38.0	39.5	41.0	42.5		
RE 19		43.6	45.1	46.6	48.1	49.6	
Energy Ft. lbs		1732	1862	1998	2138	2283	2432
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs			
Accuracy Load	A 2700	45.2	3000	2138			

Sierra does not recommend MatchKing bullets for hunting applications.

Bullet		Caliber	Weight	Type	C.O.A.L.		
	#1720	.264"	120gr.	SPT	3.000"		
	#1725	.264"	120gr.	HPBT MatchKing	3.000"		
Powder	Velocity	2600	2700	2800	2900	3000	
IMR 3031		34.8	36.5	38.3	40.0		
Benchmark			36.5	37.9	39.2		
IMR 4895		36.8	38.4	40.0	41.6		
Varget		37.1	38.6	40.1			
IMR 4064		36.2	37.9	39.7	41.4		
IMR 4320		37.3	39.0	40.7	42.4		
H380		39.3	41.0	42.6	44.3	45.9	
A 4350		42.1	43.6	45.0			
RE 19		43.6	45.1	46.6	48.1	49.6	
Viht N160		41.5	43.2	44.9	46.6		
Energy Ft. lbs		1801	1942	2089	2240	2398	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs			
Accuracy Load	Viht N160	44.9	2800	2089			
Hunting Load	RE 19	48.1	2900	2240			

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	Bullet	Caliber	Weight	Type	C.O.A.L.
	#1730	.264"	140gr.	SBT	3.050"
	#1740	.264"	140gr.	HPBT MatchKing	3.050"
	#1742	.264"	142gr.	HPBT MatchKing	3.100"*

*requires a 1x8" or faster twist

Powder	Velocity	2300	2400	2500	2600	2700
IMR 3031		31.3	33.6	35.9		
IMR 4895		32.1	34.3	36.4	38.6	
Varget		31.6	33.7	35.8		
IMR 4064			34.1	36.1	38.0	40.0
IMR 4320			34.5	37.0	39.4	
A 4350		36.3	38.3	40.2	42.2	44.1
RE 19		36.1	38.5	40.9	43.3	
RE 22		37.7	39.7	41.7	43.7	45.7
Energy Ft. lbs		1644	1790	1943	2101	2266

Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	Varget	35.8	2500	1943
Hunting Load	RE 22	43.7	2600	2101

	Bullet	Caliber	Weight	Type	C.O.A.L.
	#1750	.264"	160gr.	SMP	3.062"

Powder	Velocity	2200	2300	2400	2500
A 4350		35.1	37.3	39.5	41.7
H4350		34.8	36.8		
A 3100		38.3	40.6	42.9	
RE 22		36.5	38.5	40.5	
H1000		38.7	41.5	44.3	
Energy Ft. lbs		1719	1879	2046	2220

Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	A 3100	40.6	2300	1879
Hunting Load	RE 22	40.5	2400	2046