

7 X 57mm MAUSER

Test Specifications:

Firearm Used: Savage Model 12

Barrel Length: 26"

Twist: 1 x 9"

Components:

Case: Federal

Trim-to Length: 2.225"

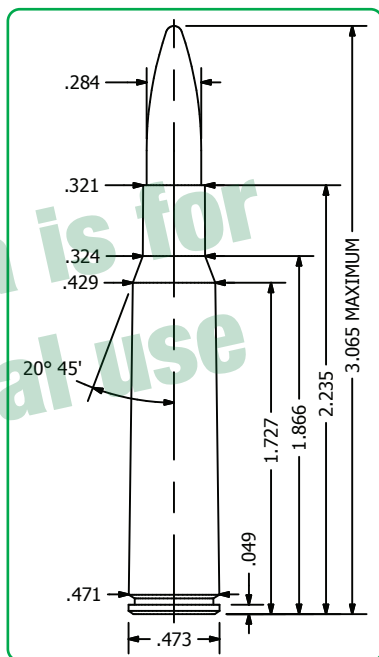
Primer: Fed 210M

Remarks:


The 7x57mm Mauser is one of a few select cartridges that have not only withstood the test of time, but have proven themselves to be true classics. The 7x57mm was designed in 1892 and adopted by Spain as its official military cartridge the following year. Original specifications for the military round called for a 173 grain round nose bullet at around 2300 feet per second. This same combination of a heavy, blunt nosed bullet at moderate velocity also proved to be deadly on big game, earning the Mauser a solid reputation in Africa. In fact, the 7x57mm, under the guise of the 275 Rigby, was used by W.D.M "Karamojo" Bell to take a large percentage of the 1,000 plus elephants killed during his ivory hunting career. It is perhaps only fair to note that many African adventurers have been killed by wounded game while trying to duplicate Bell's feat.

The United States was rather rudely introduced to the 7x57mm during the Spanish American war of 1898. Despite the fact that the 30/40 Krag had been adopted in 1892, most U.S. troops in that conflict were still armed with the trapdoor 45-70 Springfield. With its smokeless propellant, flat trajectory (compared to that of the Springfield), and rapid firing capabilities, the deadly little Mauser made a lasting impression on the U.S. troops who faced it in combat.

In recent years, the 7x57mm has seen a resurgence in popularity as a new generation of shooters have "rediscovered" the cartridge. As evidence of this popularity, virtually all major U.S. rifle manufacturers have recently chambered rifles for this century old veteran. With the ready availability of cases and an excellent selection of bullets, the 7x57mm is one of the easiest of the old military cartridges to reload. It is well worth the effort. With Sierra's 140 and 150 grain bullets, the Mauser is a perfect combination for deer and antelope. Loaded with the heavier 160 grain bullets, it is ample for bigger game, such as moose and elk. All things considered, the 7mm Mauser is probably one of our better cartridges for most North American big game hunting.




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Bullet Caliber Weight Type						C.O.A.L.
	#1895	.284"	100gr.	HP		2.875"
Powder	Velocity	2800	2900	3000	3100	3200
IMR 3031		38.1	39.4	40.7	42.0	43.3
Benchmark			39.2	40.4	41.6	42.8
H4895		39.1	40.3	41.5	42.7	43.9
IMR 4895		40.5	41.7	42.8	44.0	45.1
Viht N135		37.6	39.3	41.1	42.8	
Varget		41.5	42.6	43.8	44.9	
IMR 4064		40.7	41.9	43.1	44.3	
IMR 4320		42.1	43.3	44.5	45.7	
A 2700		44.6	46.9	49.2		
RE 15		40.4	41.7	43.0	44.3	45.6
Viht N150		41.2	42.7	44.2	45.7	47.2
Energy Ft. lbs		1741	1867	1998	2133	2273
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs		
Accuracy Load	Viht N150	47.2	3200	2273		
Hunting Load	H4895	43.9	3200	2273		

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Bullet Caliber Weight Type							C.O.A.L.
	#1900	.284"	120gr.	SPT			2.985"
Powder ∨	Velocity >	2600	2700	2800	2900	2950	3000
IMR 3031		37.5	38.6	39.8	40.9	41.4	42.0
Benchmark		35.6	37.2	38.8	40.4	41.2	
BL C(2)			38.3	40.6	42.9	44.0	
H4895		37.6	38.8	40.0	41.2	41.8	
IMR 4895		37.6	39.2	40.8	42.4	43.2	44.0
Varget		38.6	40.1	41.6	43.1	43.8	
IMR 4064		38.4	39.8	41.1	42.5	43.1	43.8
IMR 4320		39.2	40.9	42.5	44.2	45.0	45.8
Viht N140		38.4	40.0	41.6	43.2	44.0	44.8
RE 15		37.9	39.5	41.1	42.7	43.5	44.3
H380		42.6	44.1	45.7	47.2		
Viht N150		38.2	40.0	41.8	43.6		
A 4350		43.0	44.7	46.4	48.1	48.9	49.8
IMR 4350		44.3	45.8	47.3	48.8		
H4350		43.8	45.5	47.2	48.9	49.8	50.6
IMR 4831		45.8	47.5	49.2			
H4831 SC		46.7	48.1	49.5	50.9		
Energy Ft. lbs		1801	1942	2089	2240	2318	2398
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs			
Accuracy Load	Viht N150	43.6	2900	2240			
Hunting Load	RE 15	44.3	3000	2398			

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Bullet Caliber Weight Type								C.O.A.L.
		#1903	.284"	130gr.	HPBT	MatchKing		3.000"
Powder	Velocity	2500	2600	2700	2800	2850	2900	
Benchmark		34.5	36.0	37.5	39.0	39.7		
BL C(2)		39.3	40.5	41.7	42.9			
H4895		35.7	37.2	38.7	40.2	40.9		
Varget		37.2	38.6	40.0	41.4	42.1	42.8	
IMR 4064		36.7	38.0	39.3	40.6	41.2	41.9	
Viht N140		36.4	38.2	40.0	41.8			
RE 15		37.0	38.4	39.8	41.2	41.9		
H380		40.5	42.2	43.9	45.6			
Viht N150		37.6	39.1	40.6	42.1	42.8		
A 4350		41.5	43.0	44.5	46.0	46.7	47.5	
IMR 4350		42.3	43.7	45.1	46.5	47.2		
H4350		42.2	43.7	45.2	46.7	47.4		
IMR 4831		43.8	45.4	47.0	48.6			
Energy Ft. lbs		1804	1951	2104	2263	2344	2427	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs				
Accuracy Load	IMR 4064	41.2	2850	2344				
<i>Sierra does not recommend MatchKing bullets for hunting applications.</i>								

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	Bullet	Caliber	Weight	Type	C.O.A.L.
	#1905	.284"	140gr.	SBT	2.975"
	#1910	.284"	140gr.	SPT	2.975"
	#1912	.284"	140gr.	HPBT	2.975"




Powder	Velocity	2400	2500	2600	2700	2750	2800
IMR 3031		34.6	36.3	38.0	39.7		
BL C(2)			37.1	39.8	42.5		
H4895		34.2	36.0	37.8	39.6	40.5	
IMR 4895		35.9	37.5	39.2	40.8	41.6	
Varget		36.3	38.0	39.7	41.4	42.2	
IMR 4064		36.1	37.7	39.4	41.0	41.8	42.6
IMR 4320		37.4	39.1	40.7	42.4	43.2	
Viht N140		35.6	37.5	39.5	41.4	42.3	43.3
RE 15		34.6	36.6	38.6	40.6	41.6	
H380		39.5	41.4	43.2			
Viht N150		35.4	37.5	39.6	41.7		
A 4350		41.6	43.0	44.5	45.9	46.6	47.3
IMR 4350		41.5	43.0	44.5	46.0	46.7	47.5
H4350		40.7	42.4	44.2	45.9	46.7	47.6
RE 19		42.5	44.2	45.9	47.6	48.4	49.3
IMR 4831		43.2	44.8	46.4	48.0	48.8	49.6
H4831 SC		43.6	45.2	46.8	48.4	49.2	50.0
Energy Ft. lbs		1790	1943	2101	2266	2351	2437

Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	IMR 4350	46.0	2700	2266
Hunting Load	H4350	47.6	2800	2437

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		Bullet Caliber Weight Type					C.O.A.L.
	#1913	.284"	150gr.	SBT		2.975"	
	#1915	.284"	150gr.	HPBT MatchKing		2.975"	
Powder v	Velocity >	2400	2500	2600	2700	2800	
IMR 3031		34.6	36.3	38.0			
BL C(2)		36.1	38.7	41.2			
H4895		36.2	37.4	38.6			
IMR 4895		36.4	38.1	39.7			
Varget		37.2	38.9	40.6			
IMR 4064		36.5	38.1	39.6	41.2		
IMR 4320		37.9	39.3	40.7	42.1		
RE 15		35.8	37.3	38.8	40.3		
H380		39.8	42.0	44.1			
Viht N150		35.2	37.5	39.8	42.1		
A 4350		40.4	42.1	43.7	45.4	47.0	
IMR 4350		41.1	42.7	44.2	45.8	47.3	
H4350		40.8	42.5	44.2	45.9	47.6	
RE 19		42.3	43.8	45.3	46.8	48.3	
Viht N160		41.1	42.9	44.7	46.5		
IMR 4831		42.7	43.9	45.2	46.4	47.6	
H4831 SC		42.4	44.4	46.4	48.4	50.4	
Energy Ft. lbs		1918	2081	2251	2428	2611	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs			
Accuracy Load	Varget	40.6	2600	2251			
Hunting Load	RE 15	40.3	2700	2428			



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	Bullet	Caliber	Weight	Type	C.O.A.L.
	#1920	.284"	160gr.	SBT	2.975"
	#1925	.284"	160gr.	HPBT	2.975"
	#7660	.284"	160gr.	TMK	2.975"

Powder	Velocity	2200	2300	2400	2500	2600	2700
IMR 3031		31.8	33.6	35.3	37.1		
BL C(2)		33.7	36.0	38.2			
IMR 4895		33.8	35.3	36.7	38.2		
IMR 4064		33.4	35.0	36.6	38.2		
IMR 4320		34.3	35.9	37.6	39.2	40.8	
H380		35.7	37.8	40.0	42.1		
A 4350		38.1	39.8	41.5	43.2	44.9	46.6
IMR 4350		34.1	36.4	38.7	41.0	43.3	45.6
H4350		39.0	40.8	42.6	44.3	46.1	
RE 19		39.4	41.0	42.6	44.2	45.8	47.4
Viht N160		38.6	40.2	41.8	43.4		
IMR 4831		39.4	41.1	42.7	44.4	46.0	47.7
A 3100		41.5	43.1	44.7	46.3		
H4831 SC		39.2	41.2	43.2	45.1	47.1	49.1
RE 22		36.9	39.2	41.5	43.8	46.1	
H1000		43.8	45.9	48.0	50.1		
Energy Ft. lbs		1719	1879	2046	2220	2401	2589

Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	A 4350	44.9	2600	2401
Hunting Load	IMR 4350	45.6	2700	2589

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		Bullet	Caliber	Weight	Type	C.O.A.L.		
	#1930	.284"	168gr.	HPBT	MatchKing	2.980"		
	#4565	.284"	165gr.	TGK		2.980"		
Powder	Velocity	2200	2300	2400	2500	2600	2700	
IMR 3031		32.7	34.1	35.5	36.9			
BL C(2)		34.2	36.5	38.8				
IMR 4895		33.8	35.3	36.8	38.3			
IMR 4064		33.4	34.8	36.2	37.6	39.0		
IMR 4320		34.4	36.0	37.6	39.2	40.8		
H380		36.5	38.3	40.1	41.9			
A 4350		38.2	39.6	41.0	42.4	43.8	45.2	
IMR 4350		37.9	39.7	41.5	43.3	45.1		
RE 19		39.9	41.2	42.5	43.8	45.1		
Viht N160			37.4	40.1	42.8	45.5		
IMR 4831		40.1	41.7	43.3	44.9	46.5	48.1	
A 3100		41.7	43.3	44.9	46.5			
H4831 SC			41.1	43.1	45.1	47.1	49.1	
H1000		43.9	46.0	48.1	50.2			
Energy Ft. lbs		1805	1973	2148	2331	2521	2719	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs				
Accuracy Load	IMR 4350	43.3	2500	2331				
Hunting Load	IMR 4831	48.1	2700	2719				
<i>Sierra does not recommend MatchKing bullets for hunting applications.</i>								