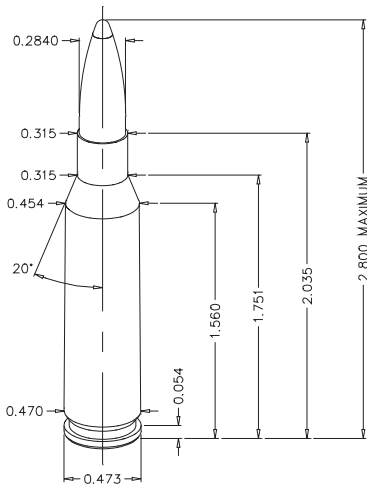


7mm-08 Remington



Test Specifications/ Components

Firearm Used: Savage 12VSS

Barrel Length: 26"

Twist: 1 x 9"

Case: Federal

Trim-to Length: 2.025"

Primer: Fed 210M

Remarks:

Virtually every cartridge ever adopted by the U.S. military has been pounced on by wildcatters, and the 7.62x51mm NATO (.308 Winchester) is no exception. Much like its forerunner, the .30/06 Springfield, the .308 spawned an immediate family of cartridges that became factory numbers.

Winchester, for example saw the potential of the .243 and .358 and wasted no time adding both to their stable. Other .308 based wildcats, such as Warren Page's .25 Souper and the .270-308, attracted some interest, but were never standardized. Another was the 7mm-308, simply the .308 case necked down to accept 7mm bullets. Other than being a tad shorter than the commercial version, this was very close to the final form Remington eventually adopted.

Although the cartridge had been designed and rifles chambered for it prior to 1960, not enough commercial interest was generated to really get the renamed Remington 7mm-08 off the ground. Then came silhouette shooting. Competitive shooters soon found that the neglected little wildcat had a near ideal combination of flat trajectory, adequate power, and mild recoil. As a result, the cartridge was standardized by Remington in 1980. The fact that they initially chambered it in the heavy-barreled Model 700 Varmint Special was in direct response to the silhouette game. For many years, this model has been one of the favorite "out-of-the-box" rifles for this demanding sport.

Regardless of the reasons for its eventual adoption, the 7mm-08 is an impressive performer in its own right. In the field, its performance is virtually identical to that of the time-proven 7x57mm Mauser. In a light, fast handling carbine, such as the Remington Model Seven, the 7mm-08 may be the ideal white tail deer rifle for heavy cover. Sierra's 140 and 150 grain spitzer boat tail bullets make the most of the 7mm-08's flat shooting capabilities, while the 150 and 168 grain MatchKings are the best choice for competitive shooting. When loaded with the devastating 100 and 120 grain varmint bullets, pests and predators can be taken cleanly to 300 yards or more. Like most of the .308 family of cartridges, the 7mm-08 gives good results with a wide variety of component combinations.

7mm-08 Remington continued

#1895 .284" 100 gr. HP
C.O.A.L. 2.685"



Powder ↓/Velocity →	2900	3000	3100	3200	3300
IMR-3031	38.8	39.8	40.8		
748	41.4	42.8	44.2	45.6	
AA-2460	38.4	40.3	42.2		
H335	39.9	41.0	42.1	43.2	
TAC		40.1	41.8	43.5	
H4895	39.1	40.4	41.7	43.0	
IMR-4895	40.6	41.7	42.8	43.9	45.0
Varget	41.2	42.5	43.8	45.1	
IMR-4064	40.6	41.7	42.8	43.9	45.0
AA-4064	41.0	42.2	43.4	44.6	
AA-2520	40.0	41.3	42.6	43.9	45.2
IMR-4320	42.1	43.4	44.7	46.0	
Viht N140	40.8	42.1	43.4	44.7	46.0
RE-15	41.0	42.1	43.2	44.3	45.4
760	45.1	46.6	48.1	49.6	51.1
H414		46.1	47.6	49.1	50.6
Viht N150	40.8	42.3	43.8	45.3	
IMR-4350	46.5	47.9			
Energy/ft.lbs.	1867	1998	2133	2273	2418
	Powder	Grains	Velocity	Ft. lbs.	
Accuracy Load	748	45.6	3200	2273	
Hunting Load	Viht N140	46.0	3300	2418	

INDICATES MAXIMUM LOAD – USE CAUTION

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

7mm-08 Remington continued

#1900 .284" 120 gr. SPT
C.O.A.L. 2.780"



Powder+Velocity →	2600	2700	2800	2900	3000	3100
IMR-3031	35.0	36.6	38.2	39.8	41.4	
748		38.2	40.0	41.9	43.7	45.5
TAC			38.3	40.1	41.9	
H4895	35.8	37.3	38.8	40.3	41.8	
AA-2495	34.8	37.0	39.1	41.3		
IMR-4895	36.5	38.0	39.5	41.0	42.5	
Varget	37.6	39.2	40.7	42.3	43.8	
IMR-4064	35.6	37.2	38.8	40.4	42.0	43.6
AA-4064	37.6	39.1	40.6	42.1	43.6	
IMR-4320		40.0	41.5	43.0	44.5	46.0
Viht N140	37.3	38.8	40.3	41.8	43.3	44.8
RE-15	37.4	38.8	40.2	41.6	43.0	44.4
H380	40.8	42.6	44.3	46.1	47.8	
760	41.4	43.0	44.7	46.3	47.9	
Viht N150	36.8	38.6	40.4	42.2	44.0	
IMR-4350	42.7	44.0	45.3	46.6	47.9	
Energy/ft.lbs.	1801	1942	2089	2240	2398	2560
	Powder	Grains	Velocity	Ft. lbs.		
Accuracy Load	H4895	40.3	2900	2240		
Hunting Load	Viht N140	44.8	3100	2560		



Cole Argraves of Boyd, TX, is shown in 1997 at age 11 with his 9-point Texas white-tail. This was not his first deer; he had killed deer each of the previous five seasons. His first deer was taken while he was in kindergarten.

INDICATES MAXIMUM LOAD – USE CAUTION
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

7mm-08 Remington continued

#1903 .284" 130 gr. HPBT MatchKing
C.O.A.L. 2.780"



#7250 .284" 130 gr. SPT SSP
C.O.A.L. 2.780"



Powder↓/Velocity→	2500	2600	2700	2800	2900	3000
TAC				39.1	40.6	
H4895	35.8	37.3	38.8	40.3		
IMR-4895	35.4	36.8	38.2	39.6	41.0	
Varget	36.2	37.6	39.0	40.4	41.8	
IMR-4064	36.5	37.7	38.9	40.1	41.3	42.5
AA-4064		38.1	39.4	40.7	42.0	
AA-2520	35.4	36.7	38.0	39.3		
Viht N140	36.4	37.8	39.2	40.6	42.0	43.4
AA-2700		41.7	43.6	45.5		
BigGame			41.5	43.3	45.1	
RE-15	35.6	37.0	38.4	39.8	41.2	42.6
Viht N150	36.3	37.9	39.5	41.1		
H4350	40.8	42.4	44.0	45.6	47.2	
RE-19	42.6	44.1	45.6	47.1	48.6	
Energy/ft.lbs.	1804	1951	2104	2263	2427	2597

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	AA-4064	42.0	2900	2427
Hunting Load	IMR-4064	42.5	3000	2597

Sierra does not recommend MatchKing bullets for hunting applications.

INDICATES MAXIMUM LOAD – USE CAUTION
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

7mm-08 Remington continued

#1905 .284" 140 gr. SBT
C.O.A.L. 2.780"

#1910 .284" 140 gr. SPT
C.O.A.L. 2.780"



Powder↓/Velocity→	2400	2500	2600	2700	2800	2900
IMR-3031	32.6	34.3	36.1	37.8	39.5	
748	36.1	37.6	39.1	40.6	42.1	43.6
TAC	33.6	35.4	37.2	39.0		
H4895	33.2	34.5	35.8	37.1	38.4	
IMR-4895	34.5	36.1	37.7	39.3	40.9	42.5
Varget	34.5	36.6	38.8	40.9	43.0	
IMR-4064	35.7	37.0	38.3	39.6	40.9	42.2
AA-4064	35.6	37.3	39.0	40.7		
IMR-4320	35.7	37.5	39.3	41.0	42.8	
Viht N140	34.0	36.0	38.0	40.0	42.0	
BigGame	37.9	39.5	41.1	42.7		
RE-15	34.8	36.4	38.0	39.6	41.2	
H380	38.2	40.2	42.3	44.3	46.3	
760	37.9	39.8	41.7	43.6	45.5	47.4
Viht N150	34.5	36.5	38.5	40.5	42.5	
AA-4350	40.8	42.3	43.7	45.2	46.6	
IMR-4350	39.7	41.2	42.7	44.2	45.7	47.2
Energy/ft.lbs.	1790	1943	2101	2266	2437	2614

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	RE-15	39.6	2700	2266
Hunting Load	IMR-4350	45.7	2800	2437

INDICATES MAXIMUM LOAD – USE CAUTION
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

7mm-08 Remington continued

#1913 .284" 150 gr. SBT
C.O.A.L. 2.780"



#1915 .284" 150 gr. HPBT MatchKing
C.O.A.L. 2.780"



Powder ↓/Velocity →	2400	2500	2600	2700	2800
IMR-3031	33.7	35.4	37.0	38.7	
748	34.5	36.5	38.5	40.5	42.5
H4895	33.9	35.6	37.3	39.0	
IMR-4895	33.7	35.7	37.6	39.6	
Varget	35.3	37.1	38.8	40.6	42.3
IMR-4064	35.1	36.6	38.0	39.5	
AA-4064	36.1	37.6	39.1	40.6	
IMR-4320	36.8	38.0	39.3	40.5	
Viht N140	35.3	36.9	38.5	40.1	
BigGame	38.0	39.5	41.0	42.5	
RE-15	35.0	36.5	38.0	39.5	
H380	38.5	40.4	42.4	44.3	
760	38.9	40.6	42.3	43.9	45.6
Viht N150	35.0	36.9	38.9	40.8	
AA-4350	40.1	41.5	42.9	44.2	45.6
IMR-4350	37.7	39.9	42.0	44.2	
RE-19	41.7	43.0	44.3	45.6	
Viht N160	39.2	41.0	42.8	44.6	46.4
Energy/ft.lbs.	1918	2081	2251	2428	2611

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	RE-15	38.0	2600	2251
Hunting Load	RE-15	39.5	2700	2428

Sierra does not recommend MatchKing bullets for hunting applications.



James J. Bell with a nice Michigan buck taken in 1993. James used a 150 grain SBT GameKing over 38.5 grains of W-W 748 in his 7mm-08 Remington Model 700.

INDICATES MAXIMUM LOAD – USE CAUTION
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

7mm-08 Remington continued

#1920 .284" 160 gr. SBT
C.O.A.L. 2.775"



#1925 .284" 160 gr. HPBT
C.O.A.L. 2.775"



Powder↓/Velocity→	2200	2300	2400	2500	2600	2700
IMR-3031	31.0	32.6	34.2	35.7	37.3	
748	32.9	34.6	36.3	38.0	39.7	
H4895		32.5	34.4	36.3	38.2	
IMR-4895	32.1	33.7	35.3	36.8	38.4	
Varget	32.1	33.9	35.7	37.5	39.3	
IMR-4064	32.8	34.2	35.6	36.9	38.3	39.7
AA-4064	32.2	33.9	35.6	37.3	39.0	
IMR-4320	33.4	35.0	36.5	38.1	39.6	
Viht N140	31.8	33.6	35.4	37.2	39.0	
BigGame		36.9	38.2	39.5	40.8	
RE-15	31.3	33.1	34.9	36.7	38.5	
H380	35.8	37.7	39.6	41.4	43.3	
760	36.0	37.6	39.2	40.8	42.4	44.0
Viht N150	32.6	34.4	36.3	38.1	39.9	
AA-4350	37.3	38.7	40.2	41.6	43.0	
IMR-4350	36.9	38.5	40.0	41.6	43.1	
RE-19	37.7	39.4	41.1	42.8	44.5	46.2
Viht N160	36.1	38.1	40.1	42.0	44.0	
Energy/ft.lbs.	1719	1879	2046	2220	2401	2589
	Powder	Grains	Velocity	Ft. lbs.		
Accuracy Load	Viht N140	39.0	2600	2401		
Hunting Load	RE-19	46.2	2700	2589		

INDICATES MAXIMUM LOAD – USE CAUTION
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

7mm-08 Remington continued

1930 .284" 168 gr. HPBT MatchKing
C.O.A.L. 2.790"



Powder ↓/Velocity →	2200	2300	2400	2500	2600	2700
IMR-3031	31.5	32.8	34.2	35.5	36.8	
748	33.3	35.1	36.9	38.6	40.4	
H4895	31.8	33.4	35.0	36.6	38.2	
IMR-4895	32.6	34.2	35.7	37.3	38.8	
Varget	33.1	34.8	36.5	38.1	39.8	41.5
IMR-4064	31.8	33.7	35.5	37.4	39.2	
AA-4064	33.5	35.2	36.9	38.6		
IMR-4320	33.9	35.7	37.4	39.2	40.9	
Viht N140	32.7	34.6	36.5	38.4		
BigGame		36.5	38.4	40.3		
RE-15	32.4	34.1	35.8	37.5	39.2	
H380	36.6	38.5	40.5	42.4		
760	37.3	38.9	40.5	42.0	43.6	45.2
AA-4350	38.1	39.5	41.0	42.4	43.8	
IMR-4350	37.5	39.1	40.6	42.2	43.7	
RE-19	38.2	39.9	41.6	43.3	45.0	
Viht N160	37.2	39.0	40.8	42.7	44.5	46.3
Energy/ft.lbs.	1805	1973	2148	2331	2521	2719

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	Viht N140	38.4	2500	2331

Sierra does not recommend MatchKing bullets for hunting applications.

INDICATES MAXIMUM LOAD – USE CAUTION

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

7mm-08 Remington continued

#1940 .284" 175 gr. SBT
C.O.A.L. 2.800"



Powder↓/Velocity→	2200	2300	2400	2500	2600
IMR-3031	32.3	33.8	35.3		
748	32.3	34.3	36.4	38.4	40.4
H4895	32.0	33.6	35.2	36.8	
IMR-4895	33.2	34.8	36.4		
Varget	33.5	35.1	36.7		
IMR-4064	33.5	34.9	36.3		
AA-4064	33.8	35.4	37.0	38.6	
IMR-4320	34.3	35.8	37.2	38.7	
Viht N140	32.5	34.4	36.3	38.2	
BigGame	34.4	36.5	38.6	40.7	
RE-15	32.8	34.5	36.2	37.9	
H380	36.3	38.7	41.1		
760	36.9	38.7	40.5	42.3	
AA-4350	37.1	38.6	40.2	41.7	
IMR-4350	37.0	38.8	40.6		
RE-19	37.9	39.7	41.5	43.3	45.1
Viht N160	36.6	38.6	40.7	42.7	
Energy/ft.lbs.	1880	2055	2238	2428	2626
	Powder	Grains	Velocity	Ft. lbs.	
Accuracy Load	RE-15	37.9	2500	2428	
Hunting Load	RE-19	45.1	2600	2626	

INDICATES MAXIMUM LOAD – USE CAUTION
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.