

7mm BR Remington

Test Specifications:

Firearm Used: Savage 12VSS

Barrel Length: 26"

Twist: 1 x 9"

Components:

Case: Remington

Trim-to Length: 1.510"

Primer: Remington 7 1/2

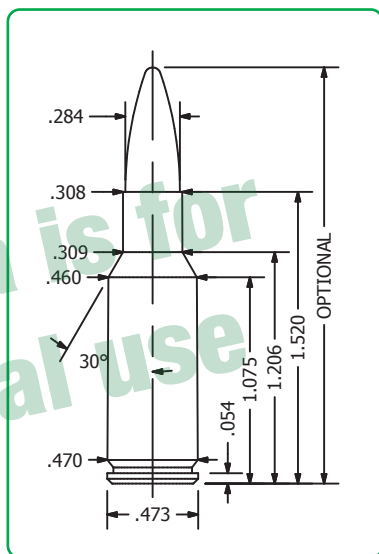
Remarks:

High power rifle silhouette competition is one of the most demanding competitive disciplines being shot today. The course of fire involves shooting at life size steel silhouettes of chickens at 200 meters, pigs at 300 meters, turkeys at 385 meters, and rams at 500 meters. Since


these matches are fired from the standing (offhand) position, a cartridge with minimal recoil but enough momentum to topple the heavy targets is essential. When organized silhouette competition first started, hunting cartridges such as the 30-06 and 270 were commonly seen. As the game became more refined, smaller cartridges better suited to these unique requirements began to dominate the sport. One of the most successful among these has been the 7mm-08 Remington, a full length 308 Winchester necked down to accept a 7mm bullet.

Originally introduced in Remington's XP 100 pistol, the 7mm Bench Rest is a substantially shortened case intended for use in the handgun version of silhouette competition. Shot at a maximum range of 200 meters, the handgun cartridges don't need to pack quite as much wallop as those used for rifle silhouette matches. It is doubtful that Remington's engineers would have predicted this cartridge becoming popular for rifle silhouette competition, but it has developed a loyal following. Surprisingly, the little BR cartridge develops sufficient power to reliably knock over the 500 meter rams. Light recoil and excellent accuracy are primary requirements in this demanding sport. The 7mm BR delivers both.

With ballistics similar to the 7-30 Waters, the 7mm BR has sufficient power to make a good short range deer cartridge. Chambered in a light, fast handling carbine such as Remington's Model Seven, the 7mm BR would make an excellent choice for the recoil sensitive hunter — probably somewhat better than the various 6mm cartridges frequently recommended for this application. When it was originally introduced, case forming for the BR was a complicated task. The parent case of the 7mm BR is the Remington Bench Rest case. This is a thin walled 308 Winchester case designed to accept a small rifle primer. The neck and shoulder area of these cases are specially annealed to allow the case to be reformed, but it was still a time consuming and tedious chore. 7mm BR brass is only being made in limited production runs. So case forming is almost a must.




7mm BR REMINGTON



Bullet Caliber Weight Type						C.O.A.L.
	#1895	.284"	100gr.	HP		2.175"
Powder	Velocity	2500	2600	2700	2800	2900
A 1680		24.0	25.3	26.7	28.0	
Viht N133		27.1	28.3	29.4	30.6	31.7
A 2015		28.1	29.1	30.0	31.0	
RE 7		25.2	26.3	27.4	28.5	
Benchmark		29.0	30.0	31.0	32.0	33.0
H322		28.2	29.1	30.0	30.9	31.8
A 2230		28.1	29.5	30.8	32.2	33.5
H335		29.6	30.8	32.0	33.2	34.4
H4895		30.3	31.2	32.1	33.0	
IMR 4895		30.5	31.5	32.4	33.4	
Viht N135		29.0	30.0	31.1	32.1	33.1
A 2520		31.0	32.0	33.0	34.0	35.0
Energy Ft. lbs		1388	1501	1618	1741	1867
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs		
Accuracy Load	H322	30.9	2800	1741		
Hunting Load	Viht N135	33.1	2900	1867		

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7mm BR Remington

Bullet Caliber Weight Type						C.O.A.L.
	#1900	.284"	120gr.	SPT		2.255"
Powder ∨	Velocity >	2400	2500	2600	2700	2800
A 1680		24.3	25.7	27.1	28.5	29.9
Viht N133		27.6	28.7	29.8	30.9	32.0
A 2015		27.6	28.8	30.0	31.2	
RE 7		24.9	26.1	27.3		
Benchmark		28.2	29.4	30.6	31.8	
H322		27.4	28.5	29.6	30.7	31.8
A 2230		28.8	30.0	31.2	32.4	33.6
H335		29.3	30.4	31.5	32.6	33.7
H4895		29.1	30.2	31.3	32.4	33.5
IMR 4895		30.0	30.9	31.7	32.6	
Viht N135		28.3	29.5	30.8	32.0	
Varget		30.7	31.9	33.1	34.3	
A 2520		30.0	31.1	32.2	33.3	34.4
Energy Ft. lbs		1535	1665	1801	1942	2089
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs		
Accuracy Load	Viht N135	32.0	2700	1942		
Hunting Load	Viht N133	32.0	2800	2089		

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		Bullet Caliber Weight Type					C.O.A.L.
	#1903 .284"	130gr.	HPBT	MatchKing			2.255"
	#7250 .284"	130gr.	SPT	SSP			2.255"
Powder ▾	Velocity >	2300	2400	2500	2600	2700	
Viht N133		26.0	27.2	28.4	29.6	30.8	
A 2015		26.4	27.5	28.6	29.7	30.8	
RE 7		24.0	25.1	26.2	27.3		
Benchmark		26.6	27.8	29.0	30.2		
H322		26.2	27.3	28.4	29.5	30.6	
A 2230		27.4	28.7	30.0	31.3	32.6	
H335		27.5	28.8	30.1	31.4	32.7	
H4895		27.9	29.0	30.1	31.2	32.3	
IMR 4895		28.5	29.6	30.7	31.8		
Viht N135		27.1	28.4	29.7	31.0	32.3	
Varget		29.3	30.8	32.3	33.8		
A 2520		28.4	29.5	30.6	31.7	32.8	
Energy Ft. lbs		1527	1662	1804	1951	2104	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs			
Accuracy Load	Viht N135	31.0	2600	1951			
Hunting Load	Viht N135	32.3	2700	2104			



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	Bullet	Caliber	Weight	Type	C.O.A.L.
	#1905	.284"	140gr.	SBT	2.255"
	#1910	.284"	140gr.	SPT	2.255"
	#1912	.284"	140gr.	HPBT	2.255"




Powder	Velocity	2300	2400	2500	2550	2600
A 1680		24.3	26.4			
Viht N133		27.6	28.7	29.8	30.3	
A 2015		27.5	28.7			
RE 7		24.8	26.3			
Benchmark		27.8	29.1	30.4		
H322		26.7	28.0	29.3	29.9	
A 2230		27.9	29.3	30.7	31.4	
H335		28.9	30.1	31.3	31.9	
H4895		28.6	29.6	30.6	31.1	31.6
IMR 4895		29.3	30.0	30.7		
Viht N135		28.0	29.3	30.6		
Varget		30.1	31.4	32.7		
A 2520		29.2	30.4	31.6	32.2	32.8
Energy Ft. lbs		1644	1790	1943	2021	2101

Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	Viht N133	29.8	2500	1943
Hunting Load	H322	29.9	2550	2021

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		Bullet	Caliber	Weight	Type						C.O.A.L.
		#1913	.284"	150gr.	SBT						2.260"
		#1915	.284"	150gr.	HPBT MatchKing						2.260"
Powder ▾	Velocity >	2200	2300	2400	2450	2500					
A 1680		24.1	25.2	26.3							
Viht N133		25.9	27.3	28.7	29.4						
A 2015		26.5	27.5	28.5							
RE 7		24.0	25.3	26.6							
Benchmark		27.5	28.3	29.1	29.5						
H322		26.6	27.4	28.2	28.6						
A 2230		27.5	28.7	29.9	30.5						
H335		27.2	28.6	30.0	30.7						
H4895		27.5	28.8	30.1	30.7						
IMR 4895		28.2	29.1	30.0	30.4						
Viht N135		27.1	28.3	29.5	30.1						
Varget		28.5	30.1	31.7							
A 2520		27.4	28.7	30.0	30.6	31.2					
Energy Ft. lbs		1612	1762	1918	1999	2081					
Special Load		Powder	Grains	Velocity fps	Energy Ft. lbs						
Accuracy Load		Viht N133	28.7	2400	1918						
Hunting Load		H335	30.7	2450	1999						



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Bullet	Caliber	Weight	Type	C.O.A.L.
	#1920	.284"	160gr. SBT	2.255"
	#1925	.284"	160gr. HPBT	2.255"
	#7660	.284"	160gr. TMK	2.255"



Powder	Velocity	2100	2200	2300	2350
A 1680		23.4	24.6		
Viht N133		25.7	26.7	27.7	28.2
A 2015		25.4	26.6		
RE 7		23.1	24.4	25.7	
Benchmark		25.8	27.0	28.2	
H322		25.5	26.4	27.3	
A 2230		26.1	27.5	28.9	29.6
H335		26.6	27.7	28.8	
H4895		26.8	27.8	28.8	29.3
IMR 4895		27.0	28.0	29.0	29.5
Viht N135		25.8	27.3	28.8	
Varget		27.5	28.8		
A 2520		26.9	28.1	29.3	29.9
Energy Ft. lbs		1566	1719	1879	1962

Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	Viht N135	28.8	2300	1879
Hunting Load	IMR 4895	29.5	2350	1962

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		Bullet	Caliber	Weight	Type	C.O.A.L.
	#1930	.284"	168gr.	HPBT	MatchKing	2.305"
	#4565	.284"	165gr.	TGK		2.305"
Powder	Velocity	2000	2100	2200	2250	2300
A 1680		22.2	23.6	25.0		
Viht N133		24.3	25.5	26.7	27.3	
A 2015		24.7	25.7	26.7		
Benchmark		24.1	25.7	27.3		
H322		24.7	25.5	26.3		
A 2230		25.3	26.5	27.7	28.3	28.9
H335		23.6	25.8	28.0		
H4895		25.7	26.7	27.7	28.2	
IMR 4895		26.1	27.1	28.1	28.6	
Viht N135		25.2	26.4	27.6	28.2	
Varget		26.6	27.6	28.6		
A 2520		26.4	27.4	28.4	28.9	
Energy Ft. lbs		1492	1645	1805	1888	1973
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs		
Accuracy Load	Viht N133	27.3	2250	1888		
Hunting Load	A 2230	28.9	2300	1973		
<i>Sierra does not recommend MatchKing bullets for hunting applications.</i>						

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Bullet	Caliber	Weight	Type	C.O.A.L.		
	#1940	.284"	175gr. SBT	2.325"*		
	#1975	.284"	175gr. HPBT MatchKing	2.440"*		
*requires 1 x 8.5" twist or faster twist						
Powder	Velocity	1900	2000	2100	2150	2200
A 1680		21.2	22.6	24.0		
Viht N133		23.4	24.6	25.8	26.4	
A 2015		23.2	24.5	25.8		
Benchmark		23.6	24.8	26.0	26.6	
H322		23.1	24.2	25.3		
A 2230		24.2	25.4	26.6	27.2	27.8
H335		24.0	25.5	27.0		
H4895		24.1	25.3	26.5	27.1	
IMR 4895		25.0	26.0	27.0	27.5	
Viht N135		23.9	25.1	26.3	26.9	
Varget		25.1	26.3	27.5		
A 2520		24.5	25.7	26.9	27.5	28.1
Energy Ft. lbs		1403	1554	1713	1796	1880
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs		
Accuracy Load	H4895	27.1	2150	1796		
Hunting Load	A 2520	28.1	2200	1880		