

.243 WSSM

Test Specifications:

Firearm Used: Savage 116 BSS

Barrel Length: 24"

Twist: 1 X 8"

Components:

Case: Winchester

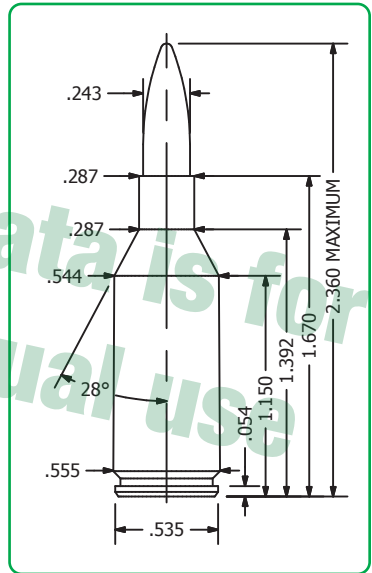
Trim-to Length: 1.660"

Primer: WLR



Remarks:

In 2003 Winchester introduced their first two Winchester Super Short Magnum cartridges; the .223 and .243 WSSM. Both are a shortened (by 0.47") version of the parent Winchester Short Magnum cases. With the short-fat case design, more propellant is exposed to the primer, theoretically providing more uniform ignition. The reduced OAL allows it to be used in a shorter action which allows for a shorter bolt throw, and a lighter rifle.

Downfalls of the short, fat cartridges are less rounds in the magazine and a potential for feeding problems. Our test rifle in the .243 WSSM had a 24" barrel. Velocities pretty well matched the 6mm Remington, while slightly surpassing that of the .243 Winchester.






743 WSSM

	Bullet	Caliber	Weight	Type	C.O.A.L.			
	#1502	.243"	55 gr.	BlitzKing	2.230"			
	#1500	.243"	60 gr.	HP	2.200"			

Powder ∨	Velocity >	3500	3550	3600	3650	3700	3750	3800
IMR-4895		41.4	42.0	42.6	43.2	43.8	44.4	45.0
Varget		42.0	42.6	43.2	43.8	44.4	45.0	45.6
A 4064		43.4	43.9	44.4	44.9	45.4	45.9	
A 2520		41.4	42.0	42.6	43.2			
BigGame		46.6	47.2	47.8				
RE-15		43.4	44.1	44.7	45.4	46.0		
H380		46.5	47.0	47.5	48.0	48.5	49.0	49.5
760		48.4	48.9	49.4				
Viht N550		45.9	46.3	46.6	47.0	47.3	47.7	48.0
IMR-4350		48.3	48.8					
Energy/ft. lbs.		1632	1679	1727	1775	1824	1874	1924

Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	Viht N550	47.7	3750	1874
Hunting Load	Viht N550	48.0	3800	1924

243 WSSM






	Bullet	Caliber	Weight	Type	C.O.A.L.
	#1507	.243"	70 gr.	BlitzKing	2.295"
	#1505	.243"	70 gr.	HPBT MatchKing	2.250"
	#1510	.243"	75 gr.	HP	2.250"

Powder ▾	Velocity >	3100	3150	3200	3250	3300	3350
IMR-4895		37.4	38.1	38.7	39.4	40.0	
Varget		37.7	38.4	39.0	39.7	40.3	41.0
A 4064		39.1	39.8	40.5	41.2	41.9	
BigGame		42.2	42.8	43.4	44.0	44.6	
RE-15			38.9	39.6	40.4	41.1	
H380		41.5	42.2	42.9	43.6	44.3	45.0
760		43.9	44.7	45.4	46.2	46.9	
Viht N550			42.0	42.9	43.7	44.6	
IMR-4350			44.2	44.8	45.4	46.0	46.6
Energy/ft. lbs.		1600	1652	1705	1759	1814	1869

Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	760	46.9	3300	1814
Hunting Load	H380	45.0	3350	1869

Sierra does not recommend MatchKing bullets for hunting applications.




743 WSSM

	Bullet	Caliber	Weight	Type	C.O.A.L.
	#1515	.243"	80 gr.	SBT Blitz	2.295"
	#7150	.243"	80 gr.	SPT SSP	2.295"
	#1520	.243"	85 gr.	SPT	2.295"
	#1530	.243"	85 gr.	HPBT	2.250"
	#1535	.243"	90 gr.	FMJBT	2.295"

Powder	Velocity	3000	3050	3100	3150	3200
IMR-4895		36.7	37.3	37.9	38.5	
Varget		37.0	37.7	38.4		
A 4064		38.8	39.5	40.2	40.9	
BigGame		41.4	42.1	42.7	43.4	44.0
RE-15		38.2	38.9	39.5		
H380		41.5	42.1	42.7	43.3	
760		43.4	44.1	44.7	45.4	46.0
Viht N150		37.1	37.9	38.7		
Viht N550		40.6	41.3	41.9	42.6	43.2
IMR-4350		42.8	43.5	44.2	44.9	45.6
RE-19		44.9	45.5	46.0	46.6	
Viht N160		43.5	44.2	44.9	45.6	
IMR-4831		44.2	44.8	45.3	45.9	46.4
A 3100		45.6	46.3	47.0		
H4831 SC		45.8	46.4	47.0		
RE-22		45.7	46.3	46.9		
Energy/ft. lbs.		1799	1859	1920	1983	2046

Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	Varget	38.4	3100	1920
Hunting Load	IMR-4350	44.9	3150	1983

243 WSSM

	Bullet	Caliber	Weight	Type	C.O.A.L.
	#1540	.243"	100 gr.	SPT	2.250"
	#1560	.243"	100 gr.	SBT	2.250"
	#1570	.243"	107 gr.	HPBT MatchKing	2.300"*
*requires 1 X 8" twist or faster					
Powder	Velocity	2800	2850	2900	2950
Varget		35.9	36.6	37.3	
A 4064		37.6	38.3	39.0	
BigGame		39.8	40.6	41.4	
760		41.1	41.9	42.7	43.5
Viht N550		38.6	39.4	40.2	
IMR-4350		40.5	41.2	41.9	42.6
RE-19		42.7	43.3	43.9	44.5
IMR-4831		41.7	42.4	43.1	43.8
A 3100		43.4	44.1	44.8	
H4831 SC		43.4	44.1	44.8	
RE-22		43.5	44.0	44.5	45.0
WXR		43.2	43.8	44.4	45.0
Energy/ft. lbs.		1863	1930	1998	2068
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs	
Accuracy Load	Viht N550	40.2	2900	1998	
Hunting Load	RE-19	44.5	2950	2068	
<i>Sierra does not recommend MatchKing bullets for hunting applications.</i>					