

300 SAVAGE

Test Specifications:

Firearm Used: Savage Model 11

Barrel Length: 26"

Twist: 1 x 10"

Components:

Case: Federal

Trim-to Length: 1.860"

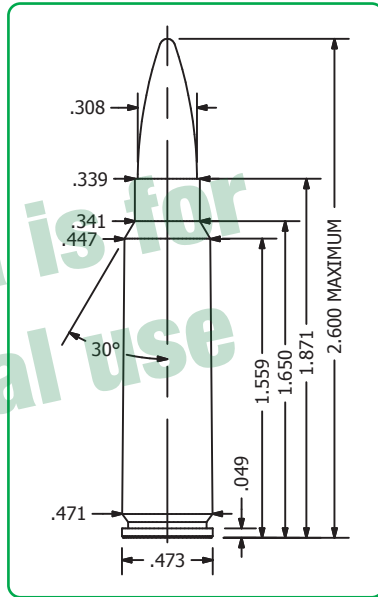
Primer: Federal 210

Remarks:




Introduced in 1921, the 300 was an attempt by Savage to provide 30-06 performance in their Model 99 leveraction rifle. When originally offered, Savage promoted the 300 as producing 2700 feet per second with a 150 grain bullet. Considering the difference in capacity between the 30-06 and the 300 Savage cases, this was obviously an unrealistic expectation. The figures for the 150 grain loading were later revised to a more reasonable 2630 feet per second. Although the 300 didn't quite live up to Savage's claims, it is still a fine cartridge for almost all North American big game.


Over the years, several manufacturers have chambered the 300 in a variety of action types. The one most associated with the 300, however, is Savage's Model 99 lever action. Favored for the same reasons as Winchester's classic Model 94, Savage's 99 has several major advantages. It is significantly stronger, allowing the 300 to be loaded to much more impressive ballistic levels than the older 30-30 WCF. The 300 is perfectly suited to the more efficient Spitzer bullets because the Model 99 is not handicapped by a tubular magazine. The Model 99 also gives better accuracy than the Winchester, because of its more rigid construction.

The 300 Savage was often criticized by some authorities as being difficult to load for. Most of these comments have centered on the Savage's short neck and the potential for case stretching. While the short neck can create problems, most of these can be overcome through careful bullet selection and proper neck tension with the expander ball. The Lee factory crimp die is also a welcome addition for this. When seating a bullet in the 300 Savage case, make sure that as much of the bearing surface of the bullet is in contact with the case neck as possible. Using flat-based bullets instead of boat tails is one way to accomplish this. Sierras TMK line of bullets can add more to the versatility of this old work horse. Case stretching can be minimized by simply reducing the loads slightly, and adjusting the sizing die to avoid setting the shoulder back any more than necessary for easy chambering.









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Bullet	Caliber	Weight	Type	C.O.A.L.				
	#2100	.308"	110gr.	RN	2.350"			
	#2105	.308"	110gr.	FMJ	2.350"			
	#2110	.308"	110gr.	HP	2.450"			
Powder	Velocity	2600	2700	2800	2900	2950	3000	
Benchmark		37.7	38.6	39.5	40.4	40.8	41.3	
748			42.4	43.6	44.8	45.4	46.0	
TAC		38.2	39.3	40.4	41.5	42.0	42.6	
IMR-4895		39.5	40.8	42.1	43.4	44.0		
Viht N135		38.2	39.4	40.6	41.8	42.4	43.0	
Varget		40.3	41.5	42.7	43.9	44.5		
Energy Ft. lbs		1651	1780	1915	2054	2125	2198	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb				
Accuracy Load	Viht N135	42.4	2950	2125				
Hunting Load	748	46.0	3000	2198				

Bullet	Caliber	Weight	Type	C.O.A.L.				
	#2120	.308"	125gr.	SPT	2.550"			
Powder	Velocity	2400	2500	2600	2700	2800	2900	
Benchmark		35.4	36.6	37.8	39.0	40.2	41.4	
748			40.5	41.9	43.3	44.7	46.1	
TAC				38.0	39.5	41.0	42.5	
IMR-4895		37.7	39.0	40.3	41.6	42.9	44.2	
Viht N135		35.9	37.3	38.7	40.1	41.5	42.9	
Varget		38.6	39.9	41.2	42.5	43.8	45.1	
Energy Ft. lbs		1598	1734	1876	2023	2176	2334	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb				
Accuracy Load	Viht N135	42.9	2900	2334				
Hunting Load	748	46.1	2900	2334				




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	Bullet	Caliber	Weight	Type	C.O.A.L.
	#2115	.308"	150gr.	FMJBT	2.600"
	#2125	.308"	150gr.	SBT	2.600"
	#2130	.308"	150gr.	SPT	2.600"
	#2135	.308"	150gr.	RN	2.350"
	#2190	.308"	150gr.	HPBT MatchKing	2.600"
	#2155	.308"	155gr.	HPBT Palma MatchKing	2.600"

Powder ▾	Velocity >	2300	2400	2500	2600	2700	2750	2800
A 2015		34.0	35.4	36.8	38.2	39.6		
Benchmark		36.0	37.1	38.2	39.3	40.4	40.9	
748		38.3	39.6	40.9	42.2	43.5	44.1	
TAC		35.0	36.5	38.0	39.5	41.0	41.7	42.5
IMR-4895		36.5	37.9	39.3	40.7	42.1	42.8	43.5
Varget		37.5	38.9	40.3	41.7	43.1	43.8	44.5
Viht N140		37.4	38.9	40.4	41.9	43.4	44.1	44.9
Energy Ft. lbs		1762	1918	2081	2251	2428	2518	2611






Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	748	43.5	2700	2428
Hunting Load	Varget	44.5	2800	2611

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	Bullet	Caliber	Weight	Type	C.O.A.L.		
	#2140	.308"	165gr.	HPBT	2.590"		
	#2145	.308"	165gr.	SBT	2.600"		
	#2200	.308"	168gr.	HPBT MatchKing	2.600"		
Powder	Velocity	2200	2300	2400	2500	2550	2600
Benchmark		32.9	34.3	35.7	37.1	37.8	38.5
748			37.8	39.0	40.2		
TAC		34.3	35.5	36.7	37.9		
A 2495			36.2	37.7	39.2	39.9	40.7
IMR-4895		34.4	35.9	37.4	38.9	39.6	40.4
Varget		35.3	36.8	38.3	39.8	40.5	41.3
Viht N140		34.8	36.4	38.0	39.6	40.4	
Energy Ft. lbs		1773	1938	2110	2289	2382	2476
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb			
Accuracy Load	TAC	37.9	2500	2289			
Hunting Load	Viht N140	40.4	2550	2382			

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Bullet	Caliber	Weight	Type	C.O.A.L.
	#2275	.308"	175gr. HPBT MatchKing	2.600"
	#2150	.308"	180gr. SPT	2.600"
	#2160	.308"	180gr. SBT	2.600"
	#2170	.308"	180gr. RN	2.570"
	#2220	.308"	180gr. HPBT MatchKing	2.600"

Powder	Velocity	2100	2200	2300	2400	2500
Benchmark		31.6	33.3	35.0	36.7	
748		35.9	37.1	38.3	39.5	
TAC		33.1	34.6	36.1	37.6	
A 2495		34.4	35.8	37.2	38.6	
IMR-4895		33.6	35.1	36.6	38.1	39.6
Varget		34.3	35.9	37.5	39.1	
Viht N140		34.5	36.1	37.7	39.3	
Energy Ft. lbs		1713	1880	2055	2238	2428

Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	TAC	36.1	2300	2055
Hunting Load	A 2495	38.6	2400	2238