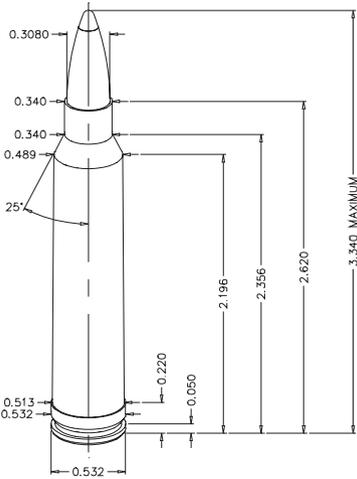


300 Winchester Magnum



Test Specifications/ Components

Firearm Used: Savage 116FSS

Barrel Length: 26"

Twist: 1 x 10"

Case: Federal

Trim-to Length: 2.610"

Primer: Fed 215

Remarks:

After Winchester introduced their earlier "short" magnums, the 458, the 338, and the 264, a 30 caliber based on the same case and shoulder dimensions seemed like the next logical step. Winchester, however, had other plans and in 1963, unveiled their new 300 Winchester Magnum. While it used the

same case length as the rest of the Winchester Magnum family, the shoulder was moved forward to allow greater powder capacity. This increased capacity made Winchester's big 300 the most potent commercial 30 caliber magnum capable of use in a standard (30-06 length) action.

The 300 Winchester Magnum is primarily a hunting cartridge, but has enjoyed considerable success as a 1,000 yard target round. As a big game cartridge, it is ample for any North American big game species. With its flat trajectory, it is well suited to the long-range shooting conditions frequently encountered in western big game hunting. While certainly not a short-range brush cartridge, the 300 has become popular in areas traditionally thought of as 30-30 country. In these areas, the 300 is superb for long-range shots in clear-cut power lines and bean fields.

Recoil is probably the single biggest drawback to the 300 Winchester Magnum. Shooters who practice little or are unwilling to familiarize themselves with their rifles will likely find the 300 a bit unpleasant. For those willing to practice enough to become proficient with the potent 300, Winchester's magnum is one of our better big game cartridges. Although frequently criticized for its short neck, the 300 Winchester is a very accurate cartridge and not at all difficult to reload for. Because of the short neck, some attention must be paid to the bullet's bearing surface and neck tension in order to insure sufficient bullet pull. As with any belted magnum, care must be taken to avoid resizing the case any more than necessary for smooth chambering. This will enhance both accuracy and case life.

300 Winchester Magnum continued

#2100 .308" 110 gr. RN

C.O.A.L. 3.100"

#2105 .308" 110 gr. FMJ

C.O.A.L. 3.100"

#2110 .308" 110 gr. HP

C.O.A.L. 3.200"



Powder↓/Velocity→	3200	3300	3400	3500	3600	3700
IMR-3031	57.5	59.4	61.4	63.3	65.2	
IMR-4895	60.3	62.3	64.3	66.3	68.3	
VARGET		63.2	65.5	67.8	70.1	
IMR-4064		63.6	65.4	67.2	69.0	
IMR-4320	62.8	65.4	68.0			
AA-2700	69.2	70.9	72.6			
H380			68.4	71.6		
AA-4350		73.0	74.7	76.3		
IMR-4350	71.1	72.8	74.5	76.2	77.9	79.6
IMR-4831		75.3	77.3	79.2		
H4831 SC	75.6	77.4	79.1			
Energy/ft.lbs.	2501	2660	2824	2992	3166	3344

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	IMR-4064	67.2	3500	2992
Hunting Load	IMR-4350	77.9	3600	3166

#2120 .308" 125 gr. SPT

C.O.A.L. 3.250"



Powder↓/Velocity→	3100	3200	3300	3400	3500
IMR-3031	58.0	59.9	61.7	63.6	65.4
IMR-4895	59.9	62.0	64.0	66.1	
VARGET	61.9	64.0	66.0		
IMR-4064	60.6	62.5	64.3	66.2	68.0
IMR-4320	62.7	64.8	66.9		
AA-2700	67.6	69.8	72.0		
H380		67.4	69.7	72.1	
AA-4350	70.6	72.3	73.9	75.6	77.2
IMR-4350	69.5	71.3	73.2	75.0	76.8
IMR-4831	72.0	73.7	75.5	77.2	
H4831 SC	73.8	75.7	77.6		
Energy/ft.lbs.	2668	2842	3023	3209	3400

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	IMR-4895	64.0	3300	3023
Hunting Load	IMR-4350	76.8	3500	3400

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

300 Winchester Magnum continued

#2115 .308" 150 gr. FMJBT

C.O.A.L. 3.340"



#2130 .308" 150 gr. SPT

C.O.A.L. 3.340"



#2125 .308" 150 gr. SBT

C.O.A.L. 3.340"



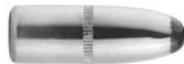
#2190 .308" 150 gr. HPBT MatchKing

C.O.A.L. 3.340"



#2135 .308" 150 gr. RN

C.O.A.L. 3.250"



#2155 .308" 155 gr. HPBT

Palma MatchKing

C.O.A.L. 3.340"



Powder/Velocity →	2900	3000	3100	3200	3300	3400
IMR-4895	56.9	59.2	61.5	63.8		
VARGET	58.2	60.8	63.4			
IMR-4064	57.4	60.0	62.5			
IMR-4320	59.3	61.8				
H380			62.9	66.5	70.0	
AA-4350	67.0	68.5	70.0	71.5	73.0	
IMR-4350		67.7	69.4	71.1	72.8	74.5
IMR-4831		70.9	72.6	74.2	75.9	
H4831 SC		72.2	74.1			
Viht N165		75.0	77.2	79.4	81.6	
Magnum			80.7	82.6	84.5	
Energy/ft.lbs.	2801	2998	3201	3411	3628	3851

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	IMR-4895	61.5	3100	3201
Hunting Load	IMR-4350	72.8	3300	3628

Sierra does not recommend MatchKing bullets for hunting applications.

INDICATES MAXIMUM LOAD – USE CAUTION

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

300 Winchester Magnum continued

#2145 .308" 165 gr. SBT
C.O.A.L. 3.340"



#2140 .308" 165 gr. HPBT
C.O.A.L. 3.340"



#2200 .308" 168 gr. HPBT MatchKing
C.O.A.L. 3.340"



Powder↓/Velocity→	2800	2900	3000	3100	3200	3300
AA-4350	64.0	66.0	67.9	69.9	71.8	
IMR-4350		65.9	67.9	69.9	71.8	73.8
RE-19		68.1	70.1	72.2	74.2	
IMR-4831		68.9	70.9	72.9	74.9	76.9
AA-3100	69.3	71.2	73.1	75.0	76.9	
H4831 SC		70.2	72.5	74.7	77.0	
MagPro	71.6	74.4	77.2	80.0		
Viht N165		71.7	73.8	75.9	78.0	
RE-22			71.2	73.2	75.3	77.3
H1000		75.2	77.8	80.3	82.9	
Energy/ft.lbs.	2873	3082	3298	3521	3752	3990

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	MagPro	77.2	3000	3298
Hunting Load	IMR-4831	74.9	3200	3752

Sierra does not recommend MatchKing bullets for hunting applications.



Paul Kruger of Alberta, Canada, is shown here with his mule deer buck and doe taken with his Sako 300 Win Mag and 150 grain SPT ProHunter.

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

300 Winchester Magnum continued

#2275 .308" 175 gr. HPBT MatchKing
C.O.A.L. 3.340"



#2150 .308" 180 gr. SPT
C.O.A.L. 3.340"



#2160 .308" 180 gr. SBT
C.O.A.L. 3.340"



#2220 .308" 180 gr. HPBT MatchKing
C.O.A.L. 3.340"



#2170 .308" 180 gr. RN
C.O.A.L. 3.340"



Powder↓/Velocity→	2700	2800	2900	3000	3100
AA-4350	62.2	64.6	67.0	69.4	
IMR-4350		64.0	66.5	68.9	71.4
RE-19		65.4	68.3	71.1	
IMR-4831		67.2	69.4	71.6	73.8
AA-3100	67.1	69.4	71.7	74.0	
H4831 SC		68.2	70.7		
MagPro	69.3	72.5	75.7		
RE-22		67.2	69.7	72.3	74.8
IMR-7828			72.3	74.6	76.8
H1000	71.2	73.9	76.5	79.2	
Magnum		75.5	77.6		
RE-25	65.7	69.2	72.8	76.3	
Energy/ft.lbs.	2914	3134	3362	3598	3841

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	IMR-4831	71.6	3000	3598
Hunting Load	IMR-7828	76.8	3100	3841

Sierra does not recommend MatchKing bullets for hunting applications.

INDICATES MAXIMUM LOAD – USE CAUTION

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

300 Winchester Magnum continued

#2210 .308" 190 gr. HPBT MatchKing
C.O.A.L. 3.340"



Powder↓/Velocity→	2600	2700	2800	2900	3000
AA-4350	61.4	63.4	65.5	67.5	
IMR-4350		62.8	65.0	67.1	69.3
RE-19	65.1	66.8	68.5	70.1	71.8
IMR-4831		65.4	67.7	69.9	72.2
AA-3100	65.5	67.7	69.9	72.1	
H4831 SC		67.1	68.3	69.5	
MagPro		69.8	72.2		
Viht N165	65.9	68.3	70.6	73.0	
RE-22		65.8	68.1	70.4	72.7
IMR-7828			70.3	73.0	75.7
H1000		71.2	74.4	77.6	
Magnum		72.5	74.5	76.5	
Energy/ft.lbs.	2852	3076	3308	3548	3797

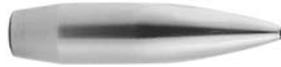
	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	RE-22	70.4	2900	3548

Sierra does not recommend MatchKing bullets for hunting applications.

#2165 .308" 200 gr. SBT
C.O.A.L. 3.340"



#2230 .308" 200 gr. HPBT MatchKing
C.O.A.L. 3.340"



Powder↓/Velocity→	2500	2600	2700	2800	2900	3000
AA-4350	58.4	60.6	62.8	65.0		
IMR-4350	57.8	60.1	62.4	64.7	67.0	
RE-19		62.0	64.7	67.3		
IMR-4831		63.1	65.4	67.8	70.1	
AA-3100	63.4	65.6	67.8	70.0		
H4831 SC		63.6	66.1	68.6		
MagPro	66.2	69.0	71.8			
Viht N165		63.2	67.1	70.9		
RE-22		63.6	66.5	69.4	72.3	
IMR-7828			68.4	70.6	72.8	75.0
H1000		68.5	71.5	74.5	77.5	
Magnum		69.9	72.6	75.3		
Energy/ft.lbs.	2776	3002	3238	3482	3735	3997

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	RE-22	69.4	2800	3482
Hunting Load	H1000	77.5	2900	3735

Sierra does not recommend MatchKing bullets for hunting applications.

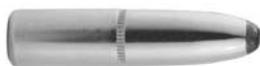
INDICATES MAXIMUM LOAD – USE CAUTION
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

300 Winchester Magnum continued

#2240 .308" 220 gr. HPBT MatchKing
C.O.A.L. 3.340"



#2180 .308" 220 gr. RN
C.O.A.L. 3.340"



Powder↓/Velocity→	2400	2500	2600	2700	2750	2800
AA-4350	58.0	60.6	63.2			
IMR-4350		59.9	62.7	65.5		
RE-19	58.2	61.4	64.6			
IMR-4831	59.6	62.3		67.7		
AA-3100	62.2	64.8	67.3			
H4831 SC			65.8	68.4	69.7	
MagPro	64.9	67.1	69.3			
RE-22		61.5	64.8	68.1		
IMR-7828		65.3	67.6	69.9	71.1	72.2
H1000	64.0	67.3	70.6	73.9	75.5	
RE-25		64.7	67.7	70.7		
Energy/ft.lbs.	2814	3053	3303	3562	3695	3830

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	H4831 SC	68.4	2700	3562
Hunting Load	IMR-7828	72.2	2800	3830

Sierra does not recommend MatchKing bullets for hunting applications.

#9245 .308" 240 gr. HPBT MatchKing
C.O.A.L. 3.535"



Powder↓/Velocity→	2500	2550	2600	2650	2700
XMR-4350	61.0	62.0	63.0	64.0	
IMR-4350	59.1	60.5	61.9	63.3	
H4350 EXT	58.8	60.3	61.8	63.3	
RE-19	59.8	61.2	62.6	64.0	
IMR-4831	60.8	62.2	63.6	65.0	
AA-3100	62.7	63.9	65.1	66.3	67.5
H4831 SC	62.2	63.4	64.6	65.8	67.0
MagPro	64.5	66.3	68.1	69.9	
RE-22	61.1	62.5	63.9	65.3	66.7
IMR-7828	63.3	64.6	65.9	67.2	68.5
H1000	64.6	66.5	68.4	70.3	
Energy/ft.lbs.	3331	3466	3603	3743	3886

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	H4831 SC	65.8	2650	3743

Sierra does not recommend MatchKing bullets for hunting applications.

INDICATES MAXIMUM LOAD – USE CAUTION

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

300 Winchester Magnum continued

#9245 .308" 240 gr. HPBT MatchKing
C.O.A.L. 3.600"



The following data was fired in a custom Model 70 match rifle throated to accept a cartridge loaded to an OAL of 3.600 inches. This rifle used a 29" Hart barrel, having a 1x9" twist required for this bullet. Loads to be used in standard chambers must be started at minimum levels and increased only as pressure permits. For information on using this or any of Sierra's other long-range specialty bullets, contact the Sierra tech-line at (800) 223-8799.

Powder↓/Velocity→	2500	2550	2600	2650	2700	2750	2800
AA-4350	61.7	63.0	64.3	65.6	67.1		
IMR-4350	61.0	62.5	64.0	65.5	67.0		
H4350 EXT	60.7	62.4	64.1	65.8	67.5		
RE-19	62.9	64.4	65.9	67.4	68.7		
IMR-4831	63.2	64.5	65.8	67.1	68.2		
AA-3100	63.7	64.9	66.1	67.3	68.5	69.7	
H4831	64.3	65.8	67.3	68.8	70.3	71.8	
RE-22	64.3	65.6	66.9	68.2	69.5	70.8	72.1
IMR-7828	67.3	68.4	69.5	70.6	71.7	72.8	74.0
H1000	67.7	69.2	70.7	72.2	73.7	75.0	
Energy/ft.lbs.	3331	3466	3603	3743	3886	4031	4179

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	IMR-7828	72.8	2750	4031

Sierra does not recommend MatchKing bullets for hunting applications.

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