

338 Norma Magnum

Test Specifications:

Firearm Used: Universal

Barrel Length: 24"

Twist: 1-10"

Components:

Case: Norma

Trim-to Length: 2.482"

Primer: WLRM

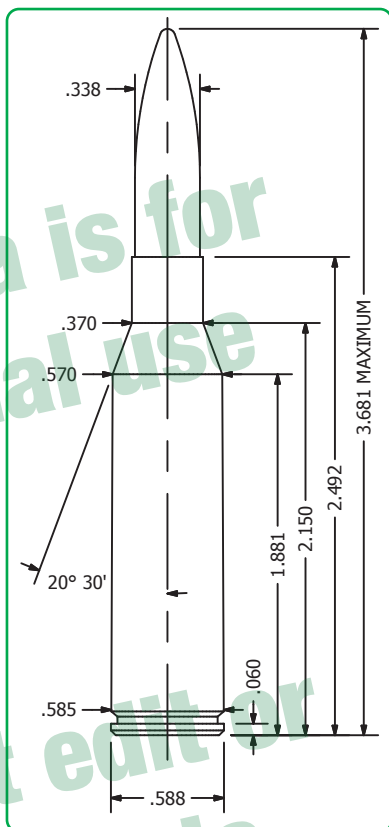
Remarks:

The 338 Norma Mag began life as a wildcat cartridge. Being developed originally as a long-range sport shooting cartridge. The intention was to use the Sierra #9300 300 grain MatchKing's in a cartridge that would be able to be used in actions that allowed a maximum cartridge length of 3.600 inches.


Later, Norma, a Swedish ammunition company, purchased the cartridge design. The 338 Norma Magnum was officially certified by C.I.P. in 2010. There were some cartridge overall length adjustments made during the certification process. The original 3.600 inches was

adjusted to 3.681 inches, similar to that of the 338 Lapua Magnum cartridge. With the Norma Magnum case being shorter, this allowed the bullet to be seated so that there was less protrusion into the powder capacity. With the 300 grain MatchKing seated to 3.681" in both the Norma and Lapua cartridges, there is very little noticeable difference in performance.

The 338 Norma Magnum has stirred some military interest. There continues to be growing interest in the 338 Norma Mag as a sporting/target and also a heavy game hunting cartridge. Sierra Bullets has used the 338 Norma Magnum and the 338 Lapua Magnum in their Quality Control testing of the 338 caliber bullets.




338 NORMA MAGNUM

Bullet Caliber Weight Type		C.O.A.L.						
	#2610 .338" 215gr. SBT	3.480"						
Powder ∨	Velocity >	2700	2750	2800	2850	2900	2950	3000
H4831sc		80.4	82.2	83.9	85.6	87.3	88.9	90.5
IMR 4955 End.		77.1	78.8	80.5	82.3	84.2		
RE 22			77.6	79.3	81.0	82.7	84.4	86.2
N560		77.1	78.7	80.4	82.1	83.9	85.7	87.7
N165		79.7	81.7	83.5	85.3	87.0	88.6	
RE 23			76.7	78.7	80.7	82.6	84.5	86.3
IMR 7828ssc		80.0	81.5	83.0	84.6	86.1	87.7	
RE 25			84.2	86.1	87.9	89.7	91.5	93.2
H1000		85.2	86.8	88.3	89.9	91.6	93.2	94.9
RE 26			82.3	83.9	85.4	87.0	88.7	90.3
Magnum			88.2	89.8	91.5	93.3	95.2	97.1
Energy Ft. Lbs		3480	3610	3742	3877	4014	4154	4296
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb				
Accuracy Load	N560	87.7	3000	4296				
Hunting Load	H4831sc	90.5	3000	4296				



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338 NORMA MAGNUM


Bullet		Caliber	Weight	Type	C.O.A.L.			
	#2620	.338"	225gr.	SPT	3.500"			
Powder	Velocity	2600	2650	2700	2750	2800	2850	2900
H4831sc				77.7	79.8	81.7	83.5	
IMR 4955 End.	73.3	75.4	77.3	79.2				
RE 22			77.1	78.7	80.3	82.1		
N560			78.6	80.2	81.9	83.9		
N165	75.2	77.1	79.0	80.9				
RE 23			75.6	77.5	79.4	81.5		
IMR 7828ssc	75.4	76.9	78.6	80.3				
RE 25				86.3	88.3	90.0	91.5	
H1000					85.4	87.7	89.9	
RE 26					81.0	82.9	84.7	86.7
Magnum				85.8	87.7	89.5	91.2	
Energy Ft. Lbs	3377	3508	3641	3778	3916	4057	4201	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb				
Accuracy Load	RE 22	82.1	2850	4057				
Hunting Load	RE 25	91.5	2900	4201				

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338 NORMA MAGNUM

		Bullet Caliber Weight Type						C.O.A.L.
	#2600 .338" 250gr. SBT							3.500"
	#2650 .338" 250gr. HPBT Match							3.680"
Powder ▾	Velocity >	2500	2550	2600	2650	2700	2750	2800
H4831sc		72.1	73.9	75.7	77.7	79.7		
IMR 4955 End.		72.8	74.6	76.3	78.1			
RE 22		70.8	72.9	74.9	76.7	78.4		
N560		72.1	73.9	75.8	77.6	79.4		
RE 23		70.6	72.4	74.2	76.1	78.0		
IMR 7828ssc		74.5	76.2	77.8	79.5	81.1		
RE 25		77.2	79.0	80.8	82.6	84.3	86.1	
H1000		74.8	76.8	78.9	81.0	83.1	85.2	
RE 26		74.3	75.8	77.5	79.2	80.9	82.7	
Magnum		79.3	81.2	83.1	85.0	86.9	88.9	
Returnbo			77.5	79.3	81.3	83.4	85.7	
N570						86.3	88.2	90.1
RE 33					89.1	91.5	93.8	96.0
IMR 8133			84.9	87.0	88.9	90.7		
24N41				89.1	92.3	95.0		
Energy Ft. Lbs		3469	3609	3752	3898	4046	4197	4351
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb				
Accuracy Load	IMR 7828ssc	81.1	2700	4046				
Hunting Load	N570	90.1	2800	4351				
<i>Sierra does not recommend MatchKing bullets for hunting applications.</i>								

338 NORMA MAGNUM

Bullet		Caliber	Weight	Type	C.O.A.L.				
	#9300	.338"	300gr.	HPBT Match	3.680"*				
*requires 1 x 10" twist or faster twist									
Powder	Velocity	2200	2250	2300	2350	2400	2450	2500	
H4831sc				67.9	70.0	72.0			
IMR 4955 End.	65.4	67.3	69.2	71.0					
N560			69.6	71.4	73.2	75.0			
RE 23		65.6	67.4	69.3	71.3				
IMR 7828ssc		68.7	70.4	72.3	74.2				
RE 25			73.2	74.7	76.4	78.3	80.5		
H1000			71.1	73.3	75.3	77.3			
RE 26			70.4	72.2	74.1	76.2			
Magnum			75.3	77.3	79.2				
Retumbo			72.6	74.7	76.8	78.7			
N570					78.0	79.8	81.8		
RE 33					82.4	84.3	86.1	87.9	
IMR 8133					80.5	82.7	84.6		
24N41				80.6	82.8	84.7	86.5		
Energy Ft. Lbs		3224	3372	3523	3678	3836	3998	4163	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb					
Accuracy Load	H4831sc	72.0	2400	3836					
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