

308 Norma Magnum

Test Specifications:

Firearm Used: Schultz & Larsen
65DL

Barrel Length: 24"

Twist: 1 x 10"

Components:

Case: Norma

Trim-to Length: 2.550"

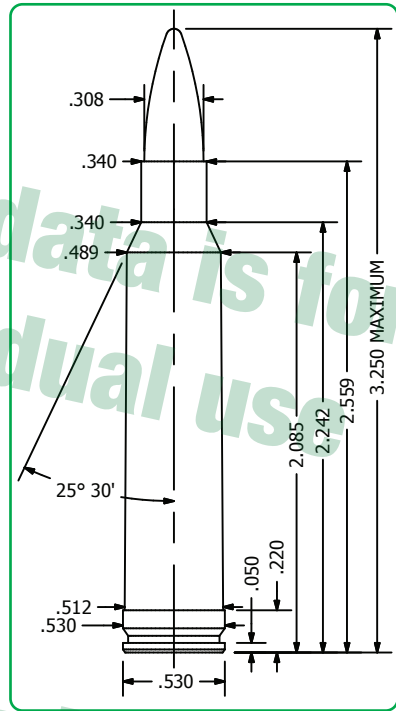
Primer: Federal 215

Remarks:




This 30 caliber "short magnum" was introduced in late 1960, by the Swedish munitions firm A.B. Norma Projektfabrik. Intended to provide magnum level performance out of a "standard" (30-06 length) action, Norma's 308 met this goal easily. Aside from the ever present wildcats, the only way to obtain true magnum performance from factory rifles at that time was with either the 300 H&H or 300 Weatherby Magnums. Both require a "magnum" length action, which adds considerably to the rifle's cost. With Norma's introduction of the 308 Magnum, shooters could economize by converting the surplus military rifles that were so plentiful in the early 1960s. Because of its more efficient design, the 308 Norma could easily beat the performance of the 300 H&H and approached the Weatherby's energy levels.

The 308 Norma Magnum is a virtual twin to the popular wildcat 30-338 Magnum. Any differences in performance or loading probably stems more from the two rifles being compared than from the cartridges. This is especially true since many 308 Norma Magnums were built by numerous gunsmiths on sporterized 1903 Springfields and 98 Mausers. As a result, differences in throat configuration can be pronounced. While some manuals suggest that loading data for the 308 Norma and 30-338 Magnums are interchangeable, we feel there is enough difference to warrant separate chapters for each cartridge.

Norma's 308 Magnum got off to a promising start, but has not been a commercial success. Despite its excellent performance, the 308 Norma suffered badly when Winchester introduced their popular 300 Magnum. Today, the cartridge is still widely used in Sweden, but is rarely seen here in the United States. This is unfortunate since the 308 Norma is an accurate, effective and efficient cartridge.



308 NORMA MAGNUM




Bullet	Caliber	Weight	Type	C.O.A.L.
	#2100	.308"	110gr. RN	3.060"
	#2105	.308"	110gr. FMJ	3.060"
	#2110	.308"	110gr. HP	3.160"

Powder	Velocity	3000	3100	3200	3300	3400	3500
IMR 4064		60.5	61.8	63.2	64.5	65.8	
IMR 4320		61.6	63.0	64.5	65.9	67.3	
H380		65.8	67.6	69.4	71.1	72.9	
IMR 4350			69.8	71.7	73.6	75.5	77.4
IMR 4831			73.3	75.3	77.3		
H4831			77.8	79.9			
Energy Ft. lbs		2198	2347	2501	2659	2823	2992

Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	IMR 4350	73.6	3300	2659
Hunting Load	IMR 4350	73.6	3300	2659

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	Bullet	Caliber	Weight	Type	C.O.A.L.
	#2120	.308"	125gr.	SPT	3.250"
	#2121	.308"	125gr.	HP Match	3.250"
	#7725	.308"	125gr.	TMK Match	3.250"

Powder ▾	Velocity >	2900	3000	3100	3200	3300	3400
IMR 4064	59.4	60.9	62.4	63.9	65.4	66.9	
IMR 4320	60.3	62.0	63.6	65.3	66.9		
H380		65.2	67.4	69.7	71.9		
IMR 4350		68.0	70.1	72.1	74.2	76.2	
IMR 4831		71.4	73.6	75.7			
H4831		75.6	78.2	80.8			
Energy Ft. lbs		2334	2498	2667	2842	3022	3208

Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	IMR 4350	72.1	3200	2842
Hunting Load	IMR 4350	72.1	3200	2842

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Bullet	Caliber	Weight	Type	C.O.A.L.
	#2115	.308"	150gr. FMJBT	3.250"
	#2130	.308"	150gr. SPT	3.250"
	#2125	.308"	150gr. SBT	3.250"
	#2190	.308"	150gr. HPBT MatchKing	3.250"
	#2135	.308"	150gr. RN	3.010"
	#2155	.308"	155gr. HPBT Palma MatchKing	3.250"
	#7755	.308"	155gr. TMK	3.250"

Powder	Velocity	2900	3000	3100	3200	3300
IMR 4064	59.7	61.3	63.0	64.6		
IMR 4320	60.8	62.6	64.4			
H380	65.0	67.1	69.1			
IMR 4350	66.8	68.7	70.5	72.4	74.2	
IMR 4831	70.1	72.1	74.0	76.0		
H4831	72.5	75.3	78.1	80.9		
Energy Ft. lbs	2801	2997	3200	3410	3626	

Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	IMR 4350	72.4	3200	3410
Hunting Load	IMR 4350	74.2	3300	3626







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	Bullet	Caliber	Weight	Type	C.O.A.L.
	#2145	.308"	165gr.	SBT	3.250"
	#4665	.308"	165gr.	TGK	3.250"
	#2140	.308"	165gr.	HPBT	3.250"
	#2200	.308"	168gr.	HPBT MatchKing	3.250"
	#7768	.308"	168gr.	TMK	3.250"

Powder	Velocity	2700	2800	2900	3000	3100
IMR 4064	56.9	58.7	60.5			
IMR 4320	57.4	59.5	61.5			
H380	61.2	63.3	65.3	67.4		
IMR 4350	62.8	64.9	66.9	69.0	71.0	
IMR 4831	65.9	68.1	70.3	72.4	74.6	
H4831	69.6	71.9	74.3	76.6	78.9	
Energy Ft. lbs	2670	2872	3081	3297	3520	

Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	IMR 4350	69.0	3000	3297
Hunting Load	H4831	78.9	3100	3520


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Bullet	Caliber	Weight	Type	C.O.A.L.
	#2275	.308"	175gr. HPBT MatchKing	3.250"
	#7775	.308	175gr. TMK	3.250"
	#2150	.308"	180gr. SPT	3.250"
	#2160	.308"	180gr. SBT	3.250"
	#2220	.308"	180gr. HPBT MatchKing	3.250"
	#2170	.308"	180gr. RN	3.250"

Powder	Velocity	2700	2800	2900	3000
IMR 4064	57.2	59.1			
IMR 4320	58.4	60.5			
H380	62.2	64.4			
IMR 4350	64.0	65.9	67.8	69.7	
IMR 4831	67.2	69.2	71.2	73.2	
H4831	70.1	72.4	74.7	77.0	
Energy Ft. lbs	2832	3046	3267	3497	



Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	IMR 4350	67.8	2900	3267
Hunting Load	H4831	77.0	3000	3497

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Bullet Caliber Weight Type						C.O.A.L.
	#2210	.308"	190gr.	HPBT MatchKing		3.250"
Powder	Velocity	2500	2600	2700	2800	2900
IMR 4064		53.6	55.6	57.5		
IMR 4320		54.8	56.8	58.8		
H380		57.8	60.2	62.5	64.9	
IMR 4350			61.7	63.9	66.1	68.3
IMR 4831			64.2	66.5	68.7	71.0
H4831			67.9	70.3	72.8	75.2
Energy Ft. lbs		2636	2851	3075	3307	3547
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb		
Accuracy Load	H4831	72.8	2800	3307		
<i>Sierra does not recommend MatchKing bullets for hunting applications.</i>						



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Bullet	Caliber	Weight	Type	C.O.A.L.
	#2165	.308"	200gr. SBT	3.250"
	#2230	.308"	200gr. HPBT MatchKing	3.250"

Powder	Velocity	2500	2600	2700	2800
IMR 4064		54.0	55.9	57.8	
IMR 4320		55.3	57.2		
H380		57.8	60.5	63.2	
IMR 4350			64.5	66.0	67.5
IMR 4831			67.4	69.0	70.5
H4831			68.1	70.7	73.3
Energy Ft. lbs		2775	3002	3237	3481

Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	IMR 4350	67.5	2800	3481
Hunting Load	IMR 4350	67.5	2800	3481

Bullet	Caliber	Weight	Type	C.O.A.L.
	#2240	.308"	220gr. HPBT MatchKing	3.250"*
	#2180	.308"	220gr. RN	3.250"

*requires 1 x 10" twist or faster twist

Powder	Velocity	2400	2500	2600	2700
IMR 4064		52.6	54.6		
IMR 4320		53.8	55.7		
H380		56.3	58.9	61.5	
IMR 4350			60.4	62.9	65.4
IMR 4831			63.4	66.0	68.6
H4831			66.0	69.0	72.0
Energy Ft. lbs		2813	3053	3302	3561

Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	H4831	69.0	2600	3302
Hunting Load	H4831	72.0	2700	3561