

7 mm Remington Magnum

Test barrel: 610 mm (24"), 1 in 9" twist
 Primers: Large Rifle Magnum
 Cases: LAPUA, trim-to length 63,30 mm (2.492")

CAUTION: Loads less than the listed starting loads may due to excessive chamber pressure and must not be used!

Bullet				Powder	Starting load				Maximum load					
Weight		Type/Name	Mfg	Type	Weight		Velocity		Weight		Velocity			
[g]	[grs]				[g]	[grs]	[m/s]	[fps]	[g]	[grs]	[m/s]	[fps]		
9,1	140	A-Frame	Swift	83,0	3.268	N160	3,45	53.2	828	2177	4,03	62.2	935	3068
						N165	3,88	59.9	863	2831	4,37	67.4	955	3133
						N560	3,84	59.3	852	2795	4,36	67.3	966	3169
9,7	150	Partition	Nosler	83,5	3.287	N160	3,53	54.5	824	2703	3,94	60.8	912	2992
						N560	3,89	60.0	851	2792	4,35	67.1	948	3110
						N165	3,82	59.0	847	2779	4,32	66.7	931	3054
10,4	160	Naturalis	Lapua	81,8	3.220	N160	3,15	48.6	753	2470	3,76	58.0	859	2818
						N560	3,67	56.6	843	2766	4,03	62.2	943	3094
						N165	3,65	56.3	786	2579	4,08	63.0	868	2848
10,4	160	Grand Slam	Speer	82,0	3.228	N160	3,31	51.1	784	2572	3,99	61.6	880	2887
						N560	3,91	60.3	823	2700	4,45	68.7	925	3035
						N165	3,83	59.1	812	2664	4,41	68.1	909	2982
10,9	168	HPBT	Sierra	83,5	3.287	N160	3,26	50.3	767	2516	3,86	59.6	862	2828
						N560	3,75	57.9	811	2661	4,26	65.7	903	2963
						N165	3,61	55.7	788	2585	4,14	63.9	853	2799
11,3	175	SBT	Sierra	83,5	3.287	N160	3,09	47.7	737	2418	3,64	56.2	826	2710
						N560	3,66	56.5	791	2595	4,18	64.5	885	2904
						N165	3,41	52.6	746	2448	4,06	62.7	854	2802
						N170	3,73	57.6	761	2497	4,35	67.1	862	2828

7 mm Weatherby Magnum

Test barrel: 660 mm, 1 in 9" twist
 Primers: Large Rifle Magnum
 Cases: Weatherby, trim-to length 64,50 mm (2.539")

CAUTION: Loads less than the listed starting loads may cause excessive chamber pressure and must not be used!

Bullet				Powder	Starting load				Maximum load					
Weight		Type/Name	Mfg	Type	Weight		Velocity		Weight		Velocity			
[g]	[grs]				[g]	[grs]	[m/s]	[fps]	[g]	[grs]	[m/s]	[fps]		
6,5	100	HP	Hornady	81,5	3.209	N160	4,76	73.5	1071	3512	5,10	78.7	1149	3770
						N560	4,98	76.8	1085	3561	5,30	81.8	1170	3839
7,8	120	Spitzer	Sierra	82,5	3.248	N160	4,52	69.8	989	3245	4,83	74.5	1057	3468
						N165	4,89	75.5	1003	3290	5,20	80.2	1072	3517
						N560	4,79	73.9	1009	3310	5,07	78.2	1079	3540
10,4	160	Spitzer	Sierra	82,5	3.248	N160	4,09	63.1	853	2799	4,39	67.7	912	2992
						N165	4,41	68.0	864	2834	4,69	72.4	924	3031
						N560	4,26	65.7	868	2846	4,53	69.9	927	3041
10,9	168	HPBT	Sierra	81,5	3.209	N160	4,00	61.7	832	2730	4,23	65.3	879	2884
						N165	4,31	66.5	840	2755	4,51	69.6	888	2913
						N560	4,17	64.3	845	2771	4,42	68.2	909	2982

.30 Carbine

Test barrel: 460 mm (18"), 1 in 10" twist
 Primers: Small Rifle
 Cases: Federal, trim-to length 32,60 mm (1.283")

Bullet				Powder	Starting load				Maximum load			
Weight		Type/Name	Mfg	Type	Weight		Velocity		Weight		Velocity	
[g]	[grs]				[g]	[grs]	[m/s]	[fps]	[g]	[grs]	[m/s]	[fps]
6,5	100	Plinker	Speer	N110	0,88	13.6	610	2001	0,97	15.0	669	2196
7,1	110	Spire Point	Speer	N110	0,79	12.1	545	1786	0,91	14.0	605	1983

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.30-30 Winchester

Test barrel: 510 mm (20"), 1 in 12" twist
 Primers: Large Rifle
 Cases: Remington, trim-to length 51,60 mm (2.031")

Bullet				Powder	Starting load				Maximum load					
Weight		Type/Name	Mfg	Type	Weight		Velocity		Weight		Velocity			
[g]	[grs]				[g]	[grs]	[m/s]	[fps]	[g]	[grs]	[m/s]	[fps]		
6,8	105	HP	Lapua	64,5	2.539	N120	1,48	22.8	692	2271	1,73	26.8	781	2562
						N130	1,70	26.3	710	2329	1,95	30.1	800	2623
						N133	1,86	28.7	730	2395	2,19	33.8	833	2732
8,5	130	FSP	Speer	64,7	2.547	N120	1,41	21.7	617	2024	1,67	25.8	705	2314
						N130	1,59	24.5	641	2103	1,84	28.4	728	2389
						N133	1,71	26.4	653	2143	1,97	30.4	741	2432
9,7	150	FSP	Speer	64,5	2.539	N135	1,80	27.7	649	2129	2,08	32.0	737	2419
						N120	1,23	19.1	519	1701	1,46	22.5	593	1946
						N130	1,43	22.1	558	1831	1,65	25.4	631	2070
11,0	170	FSP	Speer	64,5	2.539	N133	1,48	22.8	560	1839	1,72	26.5	636	2086
						N135	1,71	26.4	587	1927	1,93	29.7	660	2165
						N140	1,85	28.5	596	1956	2,06	31.8	672	2203
						N130	1,34	20.7	516	1692	1,60	24.7	598	1962
						N133	1,42	21.9	511	1678	1,67	25.8	589	1931
						N135	1,58	24.4	536	1759	1,80	27.7	604	1981
						N140	1,66	25.5	533	1747	1,89	29.2	610	2002

.300 Savage

Test barrel: 600 mm (23½"), twist 12"
 Primers: Large Rifle
 Cases: Remington, trim to-length 47,30 mm (1.862")

Bullet				Powder	Starting load				Maximum load					
Weight		Type/Name	Mfg	Type	Weight		Velocity		Weight		Velocity			
[g]	[grs]				[g]	[grs]	[m/s]	[fps]	[g]	[grs]	[m/s]	[fps]		
6,5	100	HP	Lapua	62,5	2.461	N120	2,19	33.9	878	2881	2,45	37.8	975	3199
						N130	2,41	37.1	912	2993	2,59	40.0	986	3235
						N133	2,59	39.9	894	2932	2,85	44.0	973	3192
8,1	125	TNT-HP	Speer	65,5	2.579	N120	2,06	31.8	764	2507	2,27	35.0	837	2746
						N130	2,21	34.1	794	2606	2,42	37.3	863	2831
						N133	2,53	39.1	822	2698	2,71	41.8	884	2900
9,7	150	Mega	Lapua	61,5	2.421	N130	1,89	29.2	684	2243	2,18	33.6	751	2464
						N135	2,24	34.6	706	2315	2,50	38.6	772	2533
						N140	2,44	37.6	719	2360	2,72	42.0	793	2602
10,7	165	SBT	Sierra	66,0	2.598	N133	2,20	33.9	690	2264	2,42	37.3	759	2490
						N135	2,35	36.2	700	2297	2,53	39.0	764	2507
						N140	2,46	37.9	713	2341	2,68	41.4	787	2582
12,0	185	Mega	Lapua	66,0	2.598	N135	2,15	33.2	631	2072	2,44	37.6	705	2313
						N140	2,30	35.5	649	2131	2,59	40.0	715	2346
						N540	2,36	36.4	644	2113	2,66	41.0	720	2362

.308 Winchester

Test barrel: 610 mm (24"), 1 in 12" twist
 Primers: Large Rifle
 Cases: Lapua, trim-to length 51,00 mm (2.008")

Bullet				Powder	Starting load				Maximum load			
Weight		Type/Name	Mfg	Type	Weight		Velocity		Weight		Velocity	
[g]	[grs]				[g]	[grs]	[m/s]	[fps]	[g]	[grs]	[m/s]	[fps]
3,7	57	ALS ¹⁾	Lapua	N110	1,78	27.5	1061	3481	2,24	34.5	1217	3993

¹⁾ A muzzle velocity exceeding 1000 m/s (3300 fps) may lead to severe barrel fouling!

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