

.30-06 Springfield

The .30-06 is one of our oldest cartridges, having been adopted by the military in 1906, but it is still one of the most useful. This cartridge has been used all over the world on everything from dik-dik to elephant.



With the 180-grain Barnes X-Bullet at 2,700 fps the .30-06 performs like a .300 magnum with 180-grain lead core bullets at 2,960 fps. At 400 yards, the .30-06 with the 180-grain XBT boat-tail is still moving at 2,076 fps with 1,723 foot-pounds of energy, while the .300 Winchester Magnum with the 180-grain Nosler Partition packs 1,610 foot-pounds. This ballistic advantage allows the use of more styles of rifles without the recoil of the magnums.

The round is available chambered in every style of action - bolt, lever, pump, semiautomatic and single shot. There are even pistols chambered for it. The .30-06 is also inherently accurate, having been used as a sniper round during both World Wars, the Korean War and in Vietnam; it is still used as a match rifle round for NRA and DCM/CMP Highpower and Long Range matches, as far as 1,000 yards.

My informal surveys in hunting camps and at gun clubs show that a majority of the hunters still rely on the .30-06 as their favorite or only rifle. No matter what the hunting situation, there is almost nothing this versatile round cannot accomplish.

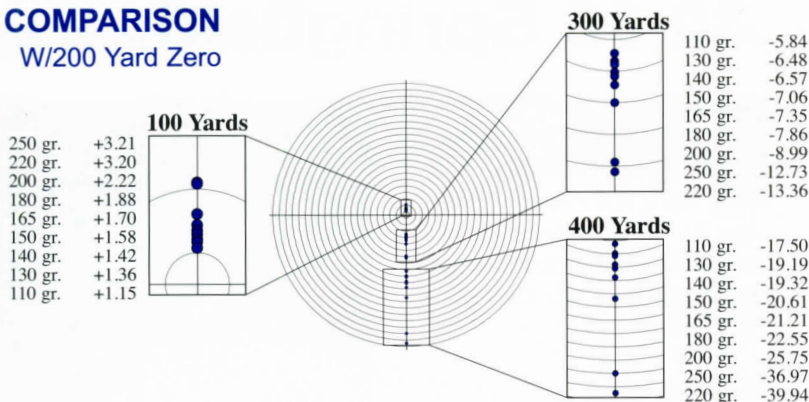
— Kevin Adams



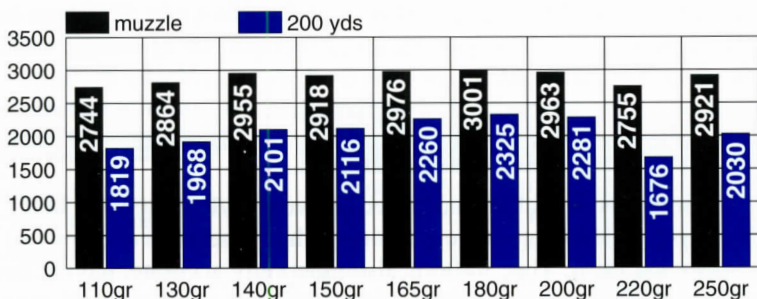
<i>Case:</i>	<i>Parent Case:</i>
Winchester	None
<i>Primer:</i>	<i>Trim To:</i>
Federal GM 210M	2.484"
<i>Barrel:</i>	
24"	

BULLET DROP COMPARISON

W/200 Yard Zero



BULLET ENERGIES



110-grain XFB

S.D. .166 B.C. .322

Suggested Bullet Use



110-grain Solid

S.D. .166 B.C. .337

Suggested Bullet Use



Powder	Charge Weight (grains)	Velocity (fps)	Maximum Load	Velocity (fps)
AA 2230	51.0	3153	55.0	3400
AA 2520	50.0	3138	54.0	3389
RL 12	52.0	3150	56.0	3392
H335	49.0	3130	53.0	3385
BL-C(2)	53.0	3106	57.0	3340
H414	58.0	3131	62.0	3347
H4350	57.0	3001	61.0	3212
IMR 4895	51.0	3120	55.0	3365
IMR 4064*	53.0	3227	57.0	3471
IMR 4350	58.0	3029	62.0	3238
Norma 202	50.5	3140	54.5	3389
Norma 204	58.0	3009	62.0	3216
VIT N135	51.0	3174	55.0	3423
Win 748	52.0	3151	56.0	3393
Win 760*	57.0	3105	61.0	3323

XLC Coated X-Bullet data cannot be used with other bullets, including non-coated X-Bullets.
Maximum loads should be used with caution - Always Start With Minimum Loads.

* Recommended powder

.30-06 Springfield



125-grain Solid

S.D. .188 B.C. .372

Suggested Bullet Use



Powder	Charge Weight (grains)	Velocity (fps)	Maximum Load	Velocity (fps)
XMR 2015	47.0	2947	51.0	3198
AA 2460	48.0	2918	52.0	3161
RL15	52.5	2981	56.5	3208
H335	49.0	2931	53.0	3170
H4895	49.0	2922	53.0	3160
BL-C(2)	52.0	2971	56.0	3200
H414	56.0	2938	60.0	3148
H4350	56.0	2950	60.0	3161
IMR 3031	48.0	2917	52.0	3160
IMR 4895	49.0	2953	53.0	3194
IMR 4064*	50.5	2921	54.5	3152
IMR 4350	57.0	2942	61.0	3148
Norma 202	48.0	2958	52.0	3204
Norma 204*	57.0	2968	61.0	3176
Win 748*	51.0	3004	55.0	3240
Win 760	57.0	3063	61.0	3278



130-grain XBT

S.D. .196 B.C. .374

Suggested Bullet Use



Powder	Charge Weight (grains)	Velocity (fps)	Maximum Load	Velocity (fps)
XMR 2015	47.0	2947	51.0	3198
AA 2460	48.0	2918	52.0	3161
RL 15	52.5	2981	56.5	3208
H335	49.0	2931	53.0	3170
H4895	49.0	2922	53.0	3160
BL-C(2)	52.0	2971	56.0	3200
H414	56.0	2938	60.0	3148
H4350	56.0	2950	60.0	3161
IMR 3031	48.0	2917	52.0	3160
IMR 4895	49.0	2953	53.0	3194
IMR 4064*	50.5	2921	54.5	3152
IMR 4350	57.0	2942	61.0	3148
Norma 202	48.0	2958	52.0	3204
Norma 204*	57.0	2968	61.0	3176
VIT N135	48.5	2946	52.5	3189
Win 748*	51.0	3004	55.0	3240
Win 760	57.0	3063	61.0	3278

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* Recommended powder

.30-06 Springfield



130-grain XLC BT

S.D. .196 B.C. .374

Suggested Bullet Use



Powder	Charge Weight (grains)	Velocity (fps)	Maximum Load	Velocity (fps)
XMR 2015	46.0	2898	50.0	3140
RL 15	51.5	3026	55.5	3252
BL-C(2)	53.5	3074	57.5	3295
H414	59.0	3078	63.0	3279
H4350	58.0	3001	62.0	3200
H4831	50.0	3000	54.0	3230
IMR 3031	48.0	2989	52.0	3228
IMR 4895	50.0	3000	54.0	3230
IMR 4064*	50.5	3030	54.5	3261
IMR 4350	58.5	3060	62.5	3261
Big Game*	57.0	3149	61.0	3362
Win 748*	51.0	3016	55.0	3343
Win 760	59.5	3137	63.5	3340



140-grain XBT

S.D. .211 B.C. .398

Suggested Bullet Use



Powder	Charge Weight (grains)	Velocity (fps)	Maximum Load	Velocity (fps)
AA 2460	46.0	2759	50.0	2999
AA 2520	47.0	2818	51.0	3058
RL 15	49.5	2951	53.5	3190
H335	48.0	2832	52.0	3068
H4895	47.0	2838	51.0	3080
BL-C(2)	51.0	2834	55.0	3056
H414	56.0	2891	60.0	3097
H4350	56.0	2906	60.0	3114
IMR 3031	46.0	2786	50.0	3028
IMR 4895	47.0	2793	51.0	3031
IMR 4320*	48.0	2828	52.0	3064
IMR 4064	49.0	2843	53.0	3075
IMR 4350*	56.0	2930	60.0	3139
Norma 204	55.5	2886	59.5	3094
Win 760	54.0	2937	58.0	3155

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* Recommended powder

30-06 Springfield



150-grain XFB

S.D. .226 B.C. .386

Suggested Bullet Use



150-grain XBT

S.D. .226 B.C. .428

Suggested Bullet Use



150-grain XLC BT

S.D. .226 B.C. .428

Suggested Bullet Use



Powder	Charge Weight (grains)	Velocity (fps)	Maximum Load	Velocity (fps)
XMR 2015	43.0	2670	47.0	2918
AA 2460	44.5	2650	48.5	2888
AA 2520	46.0	2713	50.0	2949
RL 15	47.0	2758	51.0	2993
RL 19*	58.0	2824	62.0	3019
H335	47.0	2755	51.0	2989
H4895	45.0	2693	49.0	2932
BL-C(2)	49.0	2751	53.0	2976
H380	53.0	2818	57.0	3031
H414*	55.0	2830	59.0	3036
H4350*	55.0	2767	59.0	2968
IMR 3031	45.0	2610	49.0	2842
IMR 4895	45.0	2618	49.0	2851
IMR 4320	47.0	2638	51.0	2863
IMR 4064	47.5	2723	51.5	2952
IMR 4350	54.0	2829	58.0	3039
IMR 4831	56.0	2755	60.0	2952
Norma 204	55.0	2836	59.0	3042
Win 760	53.0	2794	57.0	3005

Powder	Charge Weight (grains)	Velocity (fps)	Maximum Load	Velocity (fps)
AA 2520	48.5	2838	52.5	3068
XMR 4064	49.0	2841	53.0	3069
XMR 4350	55.5	2877	59.5	3081
RL 15	49.0	2834	53.0	3061
RL 19	59.0	2918	63.0	3112
H4895	48.0	2856	52.0	3090
Varget	49.0	2828	53.0	3055
BL-C(2)	50.0	2848	54.0	3072
H380	55.0	2904	59.0	3112
H414*	57.0	2952	61.0	3156
H4350*	57.5	2912	61.5	3111
IMR 4895	48.0	2839	52.0	3071
IMR 4320	49.0	2849	53.0	3078
IMR 4064*	48.5	2871	52.5	3104
IMR 4350	56.5	2926	60.5	3130
IMR 4831	58.5	2957	62.5	3156
Norma 204	55.0	2834	59.0	3037
Big Game	53.0	2873	57.0	3086
VIT N150	49.0	2872	53.0	3102
Win 760	56.0	2913	60.0	3118

XLC Coated X-Bullet data cannot be used with other bullets, including non-coated X-Bullets.
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* Recommended powder

.30-06 Springfield



165-grain XFB

S.D. .247 B.C. .456

Suggested Bullet Use



165-grain XBT

S.D. .247 B.C. .505

Suggested Bullet Use



165-grain Solid

S.D. .247 B.C. .481

Suggested Bullet Use



Powder	Charge Weight (grains)	Velocity (fps)	Maximum Load	Velocity (fps)
XMR 2015	41.5	2490	45.5	2730
AA 2700	50.0	2594	54.0	2802
RL 15	46.0	2637	50.0	2866
RL 19*	56.0	2781	60.0	2980
H4895	44.0	2590	48.0	2825
BL-C(2)	47.0	2620	51.0	2843
H380	51.0	2635	55.0	2842
H414	53.0	2700	57.0	2904
H4350	53.0	2721	57.0	2926
IMR 4895	43.5	2486	47.5	2715
IMR 4320*	46.0	2623	50.0	2851
IMR 4064	46.0	2616	50.0	2844
IMR 4350*	53.0	2692	57.0	2895
IMR 4831	55.0	2657	59.0	2850
Win 760	52.0	2615	56.0	2816
Norma 204	52.0	2632	56.0	2834
MRP	56.0	2720	60.0	2914
VIT N160	53.0	2658	57.0	2859

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* Recommended powder

.30-06 Springfield



165-grain XLC BT

S.D. .247 B.C. .505

Suggested Bullet Use



168-grain XLC BT

S.D. .253 B.C. .476

Suggested Bullet Use



Powder	Charge Weight (grains)	Velocity (fps)	Maximum Load	Velocity (fps)
XMR 4064	47.0	2762	51.0	2993
XMR 4350	54.0	2869	58.0	3078
RL 15	48.0	2768	52.0	2995
RL 19	58.0	2872	62.0	3067
H4895	47.5	2746	51.5	2973
Varget*	48.0	2762	52.0	2988
BL-C(2)	48.0	2760	52.0	2986
H380	54.0	2847	58.0	3054
H414	55.5	2888	59.5	3093
H4350	56.0	2834	60.0	3023
IMR 4895	47.5	2774	51.5	3003
IMR 4320	48.5	2793	52.5	3019
IMR 4064*	48.0	2789	52.0	3017
IMR 4831	58.0	2895	62.0	3091
IMR 4350	55.5	2861	59.5	3064
Norma 204	54.5	2809	58.5	3011
Big Game	52.0	2815	56.0	3028
VIT N160*	55.0	2838	59.0	3041
Win 760	55.0	2857	59.0	3061



180-grain XFB

S.D. .271 B.C. .511

Suggested Bullet Use



180-grain XBT

S.D. .271 B.C. .552

Suggested Bullet Use



Powder	Charge Weight (grains)	Velocity (fps)	Maximum Load	Velocity (fps)
AA 2700	49.0	2510	53.0	2715
XMR 4350	49.0	2482	53.0	2685
RL 19	55.0	2609	59.0	2799
H380	49.0	2515	53.0	2720
H414	50.0	2572	54.0	2778
H4350*	50.5	2532	54.5	2733
H4831	57.0	2606	61.0	2789
IMR 4064	43.5	2491	47.5	2720
IMR 4320*	44.0	2421	48.0	2641
IMR 4350	51.0	2559	55.0	2760
IMR 4831	54.0	2603	58.0	2796
Norma 204*	49.0	2458	53.0	2659
MRP*	53.0	2593	57.0	2789
VIT N160	50.0	2518	54.0	2719
Win 760	50.0	2569	54.0	2775
Win WMR	55.0	2570	59.0	2757

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* Recommended powder

.30-06 Springfield



180-grain XLC FB

S.D. .271 B.C. .511

Suggested Bullet Use



180-grain XLC BT

S.D. .271 B.C. .552

Suggested Bullet Use



Powder	Charge Weight (grains)	Velocity (fps)	Maximum Load	Velocity (fps)
XMR 4350	54.0	2728	58.0	2930
RL 19	57.0	2751	61.0	2944
Varget	47.0	2565	51.0	2783
H380	53.0	2657	57.0	2858
H414*	53.5	2728	57.5	2932
H4350	55.0	2705	59.0	2902
H4831	59.0	2732	63.0	2917
IMR 4320	47.0	2614	51.0	2836
IMR 4064	46.5	2640	50.5	2867
IMR 4350	55.0	2714	59.0	2911
IMR 4831*	57.0	2762	61.0	2956
Norma 204	53.0	2694	57.0	2897
MRP	60.0	2780	64.0	2965
Big Game	53.0	2676	57.0	2878
VIT N160	55.0	2676	59.0	2871
Win 760*	52.0	2682	56.0	2888



200-grain XFB

S.D. .301 B.C. .550

Suggested Bullet Use



Powder	Charge Weight (grains)	Velocity (fps)	Maximum Load	Velocity (fps)
AA 2700	47.0	2377	51.0	2579
XMR 4350	48.5	2315	52.5	2506
RL 19	53.0	2432	57.0	2616
RL 22*	54.0	2439	58.0	2620
H414	48.0	2474	52.0	2680
H4831	55.0	2498	59.0	2680
H1000	57.0	2319	61.0	2482
IMR 4350	49.0	2385	53.0	2580
IMR 4831	51.0	2405	55.0	2594
IMR 7828*	54.5	2412	58.5	2589
Norma 204	49.0	2325	53.0	2515
MRP	52.0	2398	56.0	2582
VIT N160	49.0	2321	53.0	2510
Win 760	48.0	2406	52.0	2607
Win WMR	53.5	2418	57.5	2599

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* Recommended powder

.30-06 Springfield



220-grain Solid

S.D. .331 B.C. .305

Suggested Bullet Use



Powder	Charge Weight (grains)	Velocity (fps)	Maximum Load	Velocity (fps)
XMR 4350	47.0	2155	51.0	2338
RL 19*	50.0	2189	54.0	2364
RL 22	52.0	2243	56.0	2415
H414	46.0	2165	50.0	2353
H4831	51.0	2239	55.0	2415
IMR 4350*	47.0	2172	51.0	2357
IMR 4831	50.0	2207	54.0	2384
Win WMR	51.0	2203	55.0	2376



250-grain Original

S.D. .376 B.C. .417

Suggested Bullet Use



Powder	Charge Weight (grains)	Velocity (fps)	Maximum Load	Velocity (fps)
RL 19*	47.5	2119	51.5	2297
RL 22	49.0	2138	53.0	2312
H4831	50.0	2118	54.0	2287
H1000	54.0	2143	58.0	2302
IMR 4350	46.0	2089	50.0	2271
IMR 4831	47.0	2104	51.0	2283
Win WMR	50.0	2134	54.0	2305

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* Recommended powder