

Reloading The .30-06 Rifle

Loads for .30-06 Rifle:

(Note: These are near maximum loads, you should use 10% less to start.)

(See note on Powders below or read all about various Powders.)

Bullet is .308" diameter. Lead bullets may be .309" or .3095" Due to different barrel lengths, type of bullet, seating depth, primer type and other factors, you may not get near the FPS charted. It is just a guide and the reason you should start under these charges and work up.

100 grain Plinker (Cup Jacket with lead nose)

IMR 4895 56.0 gr. 3,276 FPS

IMR 3031 48.0 gr. 3,017

Reloader 11 50.0 gr. 3,154

2400 31.0 gr. 2,825

Trail Boss 14.5 gr. 1,716 Hi=1756, Lo=1583, ES=172 (very mild)

110 grain Plated lead RN bullet

Trail Boss 14.5 gr. 1,718 Hi=1765, Lo=1625, ES=140

110 grain JSP (Hornady Jacketed Spire Point)

IMR 4895 54.5 gr. 3,265 FPS

IMR 4895 56.0 gr. 3,303

IMR 4895 59.8 gr. 3,505 max

H-4895 51.0 gr. 3,155

H-4895 57.0 gr. 3,431 max

H-4895 54.0 gr. 3,343

IMR 3031 56.0 gr. 3,365

Reloader 7 45.0 gr. 3,145

Reloader 15 58.6 gr. 3,465

2400 30.9 gr. 2,715

H380 58.0 gr. 3,311

A2230 57.0 gr. 3,385

A2460 58.5 gr. 3,421

748 52.7 gr. 3,230

760 59.0 gr. 3,210

IMR-4064 55.0 gr. 3,263 start

IMR-4064 58.5 gr. 3,453 max

IMR-3031 51.0 gr. 3,252
IMR-3031 54.9 gr. 3,471 max

125 grain JSP (Sierra Spitzer Point)

Unique 15.9 gr. 1,866 Reduced velocity plinking load
IMR 4895 53.0 gr. 3,176 FPS
IMR 4895 53.0 gr. 3,137
IMR 4895 57.2 gr. 3,331 max
IMR 3031 49.0 gr. 3,091
IMR 3031 52.8 gr. 3,298 max
IMR 4064 53.0 gr. 3,129
IMR 4064 56.5 gr. 3,334 max
H-4895 48.0 gr. 2,977
H-4895 53.7 gr. 3,229 max
H-4895 53.0 gr. 3,176
Reloader 7 42.0 gr. 2,915
Reloader 15 56.8 gr. 3,275
2400 30.0 gr. 2,575
H380 56.0 gr. 3,151
A2230 53.3 gr. 3,172
A2460 53.5 gr. 3,125
748 51.0 gr. 3,060
760 57.8 gr. 3,125

150 grain (Berry's Plated RNFP bullet)

Trail Boss 16.1 gr. 1,570 Hi=1599, Lo=1520, ES=78
Trail Boss 14.5 gr. 1,424 Hi=1490, Lo=1345, ES=146
Trail Boss 16.0 gr. 1,550 Hi=1576, Lo=1500, ES=76
IMR 4895 42.5 gr. 2,506 Hi=2527, Lo=2470, ES=57

150 grain JSP (Spitzer or Spire Point)

Trail Boss 13.3 gr. 1,061 (from Hodgdon)
Trail Boss 19.0 gr. 1,477 max (mild loads)
Trail Boss 14.5 gr. 1,392 Hi=1454, Lo=1324, ES=130 (Sierra JSP)
IMR 4895 49.5 gr. 2,845 FPS
IMR 4895 48.5 gr. 2,731 (in bolt action rifle) (Hi=2791, Lo=2628, ES 162.9 fps)
IMR 4895 49.0 gr. 2,856
IMR 4895 53.0 gr. 3,009 max
IMR 4895 46.0 gr. 2,638 (Sierra JSP bullet) Hi=2699, Lo=2592, ES=107
IMR 4064 47.0 gr. 2,743
IMR 4064 51.0 gr. 2,928 max

H4895 49.0 gr. 2,932
 H4895 46.0 gr. 2,806
 H4895 51.0 gr. 2,976 max
 IMR 3031 46.7 gr. 2,887 (2007 manual) MAXIMUM
 IMR 3031 43.0 gr. 2,697 start
 2400 29.4 gr. 2,330
 Reloader 7 43.8 gr. 2,780
 Reloader 15 53.6 gr. 3,005
 H380 54.0 gr. 2,921
 A-5744 29.1 gr. 2,155
 A2230 49.4 gr. 2,865
 A2460 49.5 gr. 2,862
 748 48.0 gr. 2,810
 760 54.0 gr. 2,900
 Varget 50.5 gr. 2,975
 Benchmark 49.5 gr. 2,944 (2007 loads)
 H-335 51.5 gr. 2,982
 Factory MIL OLD FMJ – 2,744 Hi=2819, Lo=2739, ES=80 (some didn't fire at all)
 Factory Greek Mil M-2 ammo Avg. 2,809 Hi=2842, Lo=2758, ES=83 Good stuff from
 CMP

155 grain Lead RNFP plain base (plinking loads, reduced velocity) (Bullet .3095")

Trail Boss 10.0 gr. 1,256 Hi=1273, Lo=1232, ES=42
 Trail Boss 10.0 gr. 1,267 Hi=1284, Lo=1251, ES=33 (different gun)
 Trail Boss 11.5 gr. 1,365 Hi=1373, Lo=1355, ES=18 (GREAT load)
 Trail Boss 13.0 gr. 1,456 Hi=1478, Lo=1400, ES=78
 Trail Boss 14.5 gr. 1,555 Hi=1561, Lo=1540, ES=28

160 grain LEAD FP or RN Plinking (may not cycle an auto-loader)

Trail Boss 12.0 gr. 1,036 FPS minimum
 Trail Boss 15.0 gr. 1,365 FPS MAXIMUM (but you can use up to 17 gr.)
 (use a lead bullet with a Gas Check if you can find one)
 (Sometimes extra trail boss near max does not perform as well, even lower velocities and higher Extreme Spread)

165 grain LEAD FP or RN Plain base Plinking

Trail Boss 7.0 gr. 920
 Trail Boss 8.0 gr. 1,009
 Trail Boss 9.0 gr. 1,112
 Trail Boss 10.0 gr. 1,141
 Trail Boss 14.0 gr. 1,344

(you can use up to 17 grains, but these are fine for plinking and not lead the barrel)

5744 22.6 gr. 1,644 a bit hot with no GC, use hard cast .309" bullets

165 grain JSP (Spitzer or Spire Point)

IMR 4895	46.5 gr.	— FPS
IMR 4895	49.0 gr.	2,768
IMR 4895	52.0 gr.	2,888 max
IMR 4064	49.0 gr.	2,752
IMR 4064	52.5 gr.	2,901 max
H4895	43.0 gr.	2,607
H4895	47.5 gr.	2,782 max
IMR 3031	47.0 gr.	2,785
IMR 3031	45.0 gr.	2,707
IMR 3031	48.0 gr.	2,825 max
2400	29.2 gr.	2,295
Reloader 7	40.5 gr.	2,610
Reloader 15	50.5 gr.	2,835
H380	52.0 gr.	2,792
A2700	55.6 gr.	2,785
A2230	46.0 gr.	2,663
A2460	46.7 gr.	2,659
Varget	50.5 gr.	2,873
Benchmark	47.7 gr.	2,795
H335	47.0 gr.	2,749

170 grain Sierra Jacketed Flat Point (use amounts for 165 gr. bullet)

IMR 4895 46.0 gr. 2,576 Hi=2599, Lo=2533, ES=66
Trail Boss 14.5 gr. 1,298 Hi=1335m Lo=1189, ES=146

180 grain JSP (Spitzer or Spire Point) or JRN

IMR 4895	43.5 gr.	2,520 FPS
IMR 4895	45.0 gr.	2,555
IMR 4895	48.0 gr.	2,680 (2007 load from manual) (careful with this one)
Trail Boss	14.5 gr.	1,242 Hi=1262, Lo=1209, ES=53 (RNSP Jacketed bullet)
H4895	44.0 gr.	2,600
IMR 3031	44.5 gr.	2,540
IMR 4064	45.5 gr.	2,550
IMR 4064	48.7 gr.	2,700 max
H 4895	41.0 gr.	2,427
H 4895	46.0 gr.	2,683 max

2400	28.2 gr.	2,210
Reloader 7	39.8 gr.	2,505
Reloader 15	48.5 gr.	2,720
H380	51.0 gr.	2,702
H380	48.0 gr.	2,490
H380	53.0 gr.	2,682 max
H335	46.0 gr.	2,621
Varget	47.0 gr.	2,668 max
Benchmark	46.0 gr.	2,660 max
A2230	44.0 gr.	2,568
A2460	45.8 gr.	2,563
748	45.0 gr.	2,540
W760	53.0 gr.	2,725
W760	50.0 gr.	2,528
W760	55.5 gr.	2,743 max

200 grain JSP (Spitzer or Spire Point) or JRN

IMR 4895	43.0 gr.	2,445 FPS
H4895	43.5 gr.	2,421 max
IMR 3031	44.5 gr.	2,450
Reloader 12	44.8 gr.	2,440
Reloader 15	46.0 gr.	2,505
A2230	43.5 gr.	2,386
A2460	44.5 gr.	2,429
WMR	55.7 gr.	2,435
760	49.0 gr.	2,470

220 Lead cast bullet (reduced velocity)(GC desirable)

200 grain JSP (Spitzer or Spire Point) or JRN

Alliant 2400	23.8 gr.	1,818
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220 grain JSP (Spitzer or Spire Point) or JRN

IMR 4895	40.5 gr.	2,230 FPS
IMR 4831	54.0 gr.	2,438 max
IMR 4831	50.0 gr.	2,275
H-4831	54.0 gr.	2,342
H-4831	57.5C gr.	2,448 max (compressed)
Varget	42.0 gr.	2,279
Varget	45.0 gr.	2,382 max
H450*	57.0 gr.	2,423
IMR 3031	42.5 gr.	2,300

A2230	42.5 gr.	2,248
A2460	43.0 gr.	2,268
WMR	55.7 gr.	2,380
W760	47.0 gr.	2,215
W760	52.0 gr.	2,408 max.
W760	49.0 gr.	2,370

* use magnum primers

250 grain Barnes JRN (.308")

H 1000	55.0 gr.	2,178
H 1000	58.0C gr.	2,281 max.
H 4831	50.0 gr.	2,134
H 4831	52.5C gr.	2,237 max.
H 4350	45.0 gr.	2,060
H 4350	47.5 gr.	2,156 max.

* TRAIL BOSS: This is a very bulky powder originally for cowboy shooting, but it has been found it works pretty darn good in all kinds of reduced velocity loads for rifles, in plain or jacketed bullets. Above I have printed some of my early test. More later. But IMR (Hodgdon) says you can fill the case with trail boss, leaving room for bullet seating, and that's the Maximum load. Back off from whatever that weight is by 70% (multiply by .7) and that is your starting load. For my 155-grain lead bullet that was 18.7 grains for a case full (very bulky) and thus 70% was 13.0 grains. However, I saw other loads even lighter, so I started with 10.0 grains with a 155-grain lead bullet. (see loads above) I was very pleased with the light recoil and consistency and with 11.5 grains there was only an 18 FPS spread of all the shots. Next, I will load and post some jacketed bullets, but so far, this is fantastic plinking and training kids and wives for a 30-06. Discussion: IMR 3031 is a faster burning powder than IMR 4895, so you use less of it for similar velocities. I have listed powders of Hodgdon, Alliant and Accurate also. Use which ever you have handy. Slow burning powders generally work better in longer barrels and heavier bullets. 30-06 Cases will stretch, especially with hot loads, and you definitely need to check each in a case length gauge and trim off excess brass. Of course, discard any cases that show a split anywhere on the case. For hunting at long distances with an unobstructed view, you should choose the spire point with a soft lead tip. The flat nose bullet is used especially in tubular fed magazines to prevent pressure on the primer in the cartridge above it.

There are a number of other high-performance bullets on the market. The "boattail" is a very good long-range target match bullet. It has very good wind performance. If you are shooting for precision, you should weight each powder charge and put exactly the same amount in each case. Each case should be exactly on specs and the bullet should not be crimped into the case. (These bullets don't normally have a crimp ring anyhow) There is still much military ammo on the market, including the red tipped "Tracer" round. There is a blob of red phosphor on the back end of the bullet that burns. You can see the red dot heading for the target. A caution: clean the bore of the gun very good after firing tracer rounds in it. Another military round is the armor piercing (black tipped) round. It has a hardened steel core inside the copper jacket, and it will penetrate an engine block or moderately heavy steel. If you can find an old junk car somewhere, it's interesting to see just what parts of the car it will penetrate, and how far it will go.

Actually ALL 30 cal. bullets are .308 in diameter.

#2400, Reloader 7, 11, 12, and 15 are products of Alliant (formerly Hercules) Powders.

H380, H450 and H4895 are products of Hodgdon Powders.

IMR 3031 and IMR 4895 are products of IMR (formerly DuPont) Powder Company.

No. 2, No. 5, #2230, and #2460 are products of Accurate Arms Company

WMR, WSF, WSL, 760, 748, 231 and 540 are products of Winchester, Components Div.

References: Accurate Arms Co. 1996 Reloading booklet – – Alliant Powder Co.

Reloaders' Guide (1995) – – Hodgdon's Basic Reloaders Manual (1996) & (2007) –

– Speer Reloading Manual, #12 – – Winchester Reloading Components Manual, 14th edition – – Lyman Piston & Revolver Reloading Handbook, 2nd edition. – –

VihtaVuori Oy Company, reloading booklet (1995) – – Numerous magazine articles on reloading special calibers and personal loads where noted.

30-60 Springfield Reloading Data

Bullet	Hornady RN 110 grain			
B.C.	0.150			
C.O.L.	2.874			
Gunpowder	Charge Weight		Velocity fps	
Norma 201	Max 57.1 Min 54.0		3458	3284
Norma 202	Max 56.5 Min 54.0		3416	3209

Bullet	Hornady Soft Point 110 Grain			
B.C.	0.256			
C.O.L.	3.110			
Gunpowder	Charge Weight		Velocity fps	
Norma 201	Max 57.1 Min 54.0		3481	3307
Norma 202	Max 56.08 Min 54.0		3438	3235

Bullet	Hornady Soft Point 130 Grain			
B.C.	0.295			
C.O.L.	3.071			
Gunpowder	Charge Weight		Velocity fps	
Norma 201	Max 53.8 Min 51.0		3225	3045
Norma 202	Max 55.6 Min 52.0		3265	3055
Norma 203-B	Max 56.4 Min 53.0		3261	3051

Bullet	Norma ECOSTRIKE 150 Grain			
B.C.	.0376			
C.O.L.	3.173			
Gunpowder	Charge Weight		Velocity fps	
Norma 203	Max 51.2 Min 50.0		2943	2881
Norma 204	Max 57.2 Min 55.9		2946	2864

Bullet	Nosler BST 150 Grain			
B.C.	0.435			
C.O.L.	3.228			
Gunpowder	Charge Weight		Velocity fps	
Norma 203-B	Max 53.2 Min 50.0		3028	2897
Norma 204	Max 57.1 Min 55.0		2927	2736

Bullet	Norma FMJ 150 Grain			
B.C.	0.423			
C.O.L.	3.110			
Gunpowder	Charge Weight		Velocity fps	
Norma 203-B	Max 53.8 Min 50.0		3051	2874
Norma 204	Max 57.1 Min 55.0		2907	2753
Norma URP	Max 59.9 Min 54.0		3087	2799

Bullet	Norma ECOSTRIKE 165 Grain			
B.C.	0.431			
C.O.L.	3.173			
Gunpowder	Charge Weight		Velocity fps	
Norma 203	Max 49.5 Min 48.3		2779	2703
Norma 204	Max 55.2 Min 53.8		2799	2710

Bullet	Norma Oryx 165 Grain			
B.C.	0.333			
C.O.L.	3.169			
Gunpowder	Charge Weight		Velocity fps	
Norma MRP	Max 61.0 Min 58.0		2953	2733

Bullet	Hornady Soft Point 165 Grain			
B.C.	0.387			
C.O.L.	3.228			
Gunpowder	Charge Weight		Velocity fps	
Norma URP	Max 57.2 Min 52.0		2930	2661
Norma 203-B	Max 52.5 Min 50.0		2828	2592
Norma 204	Max 56.9 Min 54.0		2867	2694
Bullet	Sierra MK 168 Grain			
B.C.	0.462			
C.O.L.	3.228			
Gunpowder	Charge Weight		Velocity fps	
Norma 203-B	Max 52.8 Min 50.0		2868	2644
Norma 204	Max 55.6 Min 53.0		2845	2697
Norma URP	Max 55.9 Min 52.9		2854	2700

Bullet	Norma TIPSTRIKE 170 Grain	
B.C.	0.454	

C.O.L.	3.213		
Gunpowder	Charge Weight	Velocity fps	
Norma 203-B	Max 50.3 Min 46.4	2756	2543
Norma 204	Max 56.9 Min 54.2	2772	2638
Norma URP	Max 54.0 Min 51.4	2769	2605
Norma MRP	Max 60.6 Min 57.6	2822	2677

Bullet	Norma Bondstrike 180 Grain		
B.C.	0.615		
C.O.L.	3.260		
Gunpowder	Charge Weight	Velocity fps	
Norma 204	Max 54.3 Min 51.7	2717	2579
Norma MRP	Max 58.6 Min 55.1	2746	2585

Bullet	Hornady Soft Point 180 Grain		
B.C.	0.425		
C.O.L.	3.228		
Gunpowder	Charge Weight	Velocity fps	
Norma URP	Max 54.9 Min 52.0	2782	2674
Norma 203-B	Max 50.9 Min 48.0	2720	2500
Norma 204	Max 54.3 Min 52.0	2723	2562
Norma MRP	Max 58.6 Min 56.0	2736	2585

Bullet	Norma ORYX 180 Grain		
B.C.	0.354		
C.O.L.	.0189		
Gunpowder	Charge Weight	Velocity fps	
Norma 203-B	Max 50.5 Min 48.0	2697	2494
Norma 204	Max 53.7 Min 51.0	2684	2579
Norma MRP	Max 58.8 Min 56.0	2733	2572
Norma URP	Max 56.5 Min 53.0	2812	1654

Bullet	Norma Alaska 180 Grain		
B.C.	0.257		
C.O.L.	3.189		
Gunpowder	Charge Weight	Velocity fps	
Norma 203-B	Max 51.6 Min 49.0	2697	2497
Norma 204	Max 55.4 Min 53.0	2710	2546

Norma MRP	Max 59.0	Min 56.0	2690	2500
Norma URP	Max 56.5	Min 53.0	2812	2664

Bullet	Norma Vulkan 180 Grain			
B.C.	0.315			
C.O.L.	3.189			
Gunpowder	Charge Weight	Velocity fps		
Norma 203-B	Max 50.8 Min 48.0	2720	2510	
Norma 204	Max 54.3 Min 52.0	2707	2526	
Norma MRP	Max 59.0 Min 56.0	2710	2566	
Norma URP	Max 55.5 Min 52.0	2779	2638	

Bullet	Nosler Accubond 180 Grain			
B.C.	.0507			
C.O.L.	3.248			
Gunpowder	Charge Weight	Velocity fps		
Norma URP	Max 55.5 Min 53.0	2802	2661	

Bullet	Nosler BST 180 Grain			
B.C.	0.507			
C.O.L.	3.228			
Gunpowder	Charge Weight	Velocity fps		
Norma 203-B	Max 50.6 Min 48.0	2707	2484	
Norma 204	Max 53.4 Min 51.0	2723	2530	
Norma MRP	Max 58.6 Min 56.0	2746	2595	

Bullet	Nosler Partition 180 Grain			
B.C.	0.474			
C.O.L.	.0228			
Gunpowder	Charge Weight	Velocity fps		
Norma 203-B	Max 50.9 Min 48.0	2713	2480	
Norma 204	Max 53.4 Min 51.0	2612	2553	
Norma MRP	Max 57.9 Min 55.0	2654	2559	
Norma URP	Max 55.1 Min 52.0	2763	2638	

Bullet	Norma Oryx 200 Grain			
B.C.	0.338			
C.O.L.	3.189			

Gunpowder	Charge Weight		Velocity fps	
Norma 204	Max 52.0	Min 49.0	2592	2378
Norma MRP	Max 55.7	Min 53.0	2569	2448
Norma URP	Max 52.6	Min 50.0	2618	2530

Bullet	Nosler Accubond 200 Grain			
B.C.	0.588			
C.O.L.	3.228			
Gunpowder	Charge Weight		Velocity fps	
Norma 204	Max 54.0	Min 51.2	2530	2398
Norma URP	Max 51.8	Min 49.2	2572	2434
Norma MRP	Max 57.6	Min 54.8	2621	2490

Bullet	Hornady RN 220 Grain			
B.C.	0.300			
C.O.L.	3.228			
Gunpowder	Charge Weight		Velocity fps	
Norma 204	Max 50.9	Min 48.0	2441	2330
Norma MRP	Max 55.6	Min 53.0	2500	2326
Norma URP	Max 51.1	Min 48.4	2438	2316

Case: Winchester Primer: Federal 210
Case Trim: 2.484" Barrel Length: 24"
Twist Rate: 1:10" Barrel: Bartlein

30-06 Springfield



110-grain TSX FB / TAC-X FB
Sectional Density .166
Ballistic Coefficient .264
C.O.A.L 3.218"

Suggested Bullet Use



110-grain TTSX FB / TAC-TX FB
Sectional Density .166
Ballistic Coefficient .295
C.O.A.L 3.218"

Suggested Bullet Use



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
RL 10X	48.0	3225	53.0	3503
TAC	56.0	3268	61.0	3573
H4895	54.0	3289	59.0	3570
IMR 4895	55.5	3272	60.5	3547
Varget	56.5	3300	61.5 ^c	3563
A-2520	59.5	3397	64.5	3615



130-grain TSX BT
Sectional Density .196
Ballistic Coefficient .340
C.O.A.L 3.218"

Suggested Bullet Use



130-grain TTSX BT
Sectional Density .196
Ballistic Coefficient .350
C.O.A.L 3.240"

Suggested Bullet Use



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
IMR 3031	50.5	3052	54.0	3258
Win 748	54.0	3069	60.5	3308
BL-C(2)	55.0	3116	58.5	3282
A-2460	49.5	3029	53.5	3195
H335	48.0	2944	52.0	3145
TAC	48.5	2981	53.0	3165
H4895	52.5	3071	55.5	3276
IMR 4895	53.5	3044	56.5	3213
Varget	53.5	3051	56.5	3225
IMR 4064	54.0	3058	58.0 ^c	3283
*Big Game	59.0	3093	62.0 ^c	3232
RL 15	53.5	3107	56.5	3285
Win 760	60.5	3105	65.0 ^c	3266
H414	61.0	3127	66.0 ^c	3298

Maximum Loads Should Be Used With Caution - Always Start With Minimum Loads.

* Recommended Powder

^c Compressed Load

30-06 Springfield



150-grain TSX BT / TAC-X BT
 Sectional Density .226
 Ballistic Coefficient .369
 C.O.A.L 3.218"

Suggested Bullet Use



150-grain TTSX BT
 Sectional Density .226
 Ballistic Coefficient .420
 C.O.A.L 3.240"

Suggested Bullet Use



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
IMR 3031	46.0	2760	48.5	2908
Win 748	49.5	2775	53.5	2996
BL-C(2)	49.5	2807	53.5	2974
A-2460	46.0	2748	49.0	2919
*H4895	48.5	2822	51.0	2975
IMR 4895	49.0	2762	51.5	2938
Varget	49.5	2793	52.5	2972
IMR 4064	49.5	2781	52.0	2976
Big Game	53.5	2834	58.0	3030
RL 15	49.0	2822	51.5 ^c	2983
H414	55.0	2842	60.0	3056



150-grain MPG FB / TAC-RRLP
 Sectional Density .226
 Ballistic Coefficient .357
 C.O.A.L 3.270"

Suggested Bullet Use



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
Varget	44.3	2594	49.3	2849
IMR 4064	43.7	2611	48.5	2851
A-4064	45.0	2571	50.0	2838
*Big Game	49.8	2687	55.4	2916
RL 15	44.3	2571	49.3	2841
A-2700	49.7	2682	55.3	2925
H380	50.9	2696	56.6 ^c	2934
IMR 4007SSC	47.8	2554	53.1	2861
H414	48.7	2621	54.1	2886
RL 17	50.3	2640	55.8	2934

30-06 Springfield



155-grain Match Burner
Sectional Density .233
Ballistic Coefficient .467
C.O.A.L 3.310"

Suggested Bullet Use



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
Varget	46.4	2630	51.5	2910
IMR 4064	45.7	2657	50.8	2911
*A-4064	47.6	2601	52.9	2908
Big Game	50.6	2700	56.2	2939
RL 15	47.8	2663	53.1	2914
A-2700	52.4	2686	58.2	2941
H380	51.8	2722	57.5	2947
IMR 4007SSC	51.0	2591	56.6 °	2917
H414	51.7	2618	57.4	2916
RL 17	52.1	2653	57.9	2979

30-06 Springfield



165-grain TSX BT
Sectional Density .248
Ballistic Coefficient .398
C.O.A.L 3.218"

Suggested Bullet Use



165-grain TTSX BT
Sectional Density .248
Ballistic Coefficient .442
C.O.A.L 3.240"

Suggested Bullet Use



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
BL-C(2)	45.5	2581	50.5	2809
IMR 4895	46.0	2588	49.5	2754
*IMR 4064	46.5	2594	50.0	2801
A-2520	47.5	2613	53.0	2851
IMR 4320	47.0	2561	50.0	2708
Big Game	50.5	2648	55.5	2869
Win 760	50.0	2616	54.5	2804
H414	51.0	2655	55.0	2818
IMR 4350	53.0	2627	57.5 °	2845
H4350	52.0	2651	55.5	2825
RL 19	55.5	2644	60.0 °	2859



168-grain TSX BT / TAC-X BT
Sectional Density .253
Ballistic Coefficient .404
C.O.A.L 3.218"

Suggested Bullet Use



168-grain TTSX BT / TAC-TX BT
Sectional Density .253
Ballistic Coefficient .470
C.O.A.L 3.240"

Suggested Bullet Use



30-06 Springfield



175-grain LRX BT
 Sectional Density .264
 Ballistic Coefficient .508
 C.O.A.L 3.300"

Suggested Bullet Use



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
*IMR 4064	43.1	2417	47.9	2666
Big Game	48.8	2503	54.2	2733
A-2700	46.8	2467	52.0	2694
Win 760	46.4	2372	51.5	2673
RL 17	48.8	2495	54.2 °	2762
H4350	49.7	2434	55.2 °	2713
Hybrid 100V	49.2	2507	54.6 °	2764
RL 19	53.2	2507	59.1 °	2784
Superformance	52.3	2588	58.1 °	2827
PowerPro 4000MR	53.0	2541	58.9 °	2776

Recommended Twist: 1:11" or faster



175-grain Match Burner
 Sectional Density .264
 Ballistic Coefficient .521
 C.O.A.L 3.310"

Suggested Bullet Use



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
IMR 4064	43.7	2481	48.5	2712
Big Game	48.2	2507	53.5	2746
A-2700	48.7	2464	54.2	2728
IMR 4007SSC	48.5	2473	53.9	2736
Win 760	49.4	2473	54.9	2719
RL 17	49.3	2499	54.8	2796
H4350	50.6	2480	56.2	2745
*Hybrid 100V	49.1	2529	54.6 °	2754
Superformance	54.1	2525	60.1 °	2830
PowerPro 4000MR	52.6	2532	58.4 °	2789

30-06 Springfield



180-grain TSX BT
Sectional Density .271
Ballistic Coefficient .453
C.O.A.L 3.218"

Suggested Bullet Use



180-grain TTSX BT
Sectional Density .271
Ballistic Coefficient .484
C.O.A.L 3.240"



200-grain TSX FB
Sectional Density .301
Ballistic Coefficient .423
C.O.A.L 3.218 "

Suggested Bullet Use



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
H4895	40.9	2320	45.4	2555
IMR 4064	42.9	2336	47.6	2612
IMR 4320	43.1	2319	47.9	2570
Big Game	49.1	2495	54.6 °	2697
RL 17	49.1	2439	54.6 °	2712
*Superformance	51.5	2504	57.2 °	2774
PowerPro 4000MR	51.4	2433	57.1 °	2712

Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
IMR 4064	41.0	2197	46.0	2423
IMR 4320	42.5	2194	47.0	2422
A-2700	46.0	2247	51.5	2470
Big Game	46.0	2293	51.0	2495
*RL 15	40.0	2211	44.0	2399
Win 760	45.0	2298	49.0	2492
H414	45.0	2268	49.0	2477
IMR 4350	49.0	2301	52.0°	2435
H4350	46.5	2277	51.0	2468
Hunter	51.0	2360	57.0°	2556

Recommended Twist: 1:10" or faster

30-06 Springfield



200-grain LRX BT
Sectional Density .301
Ballistic Coefficient .546
C.O.A.L 3.340"

Suggested Bullet Use



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
IMR 4064	39.6	2149	44.0	2359
Big Game	45.0	2272	50.0	2468
RL 15	38.1	2121	42.3	2339
A-2700	43.8	2230	48.7	2445
Win 760	43.7	2199	48.5	2432
RL 17	46.0	2280	51.1	2521
*H4350	46.5	2252	51.7	2470
Hunter	50.4	2279	56.0 °	2518
Superformance	48.3	2334	53.7	2569
PowerPro 4000MR	49.4	2315	54.9 °	2540

Recommended Twist:: 1:10" or faster



30-06 Springfield

.308"	30
Weight (grains)	100
Ballistic Coefficient	0.144
Sectional Density	0.151
COAL Tested	2.935"
Speer Part No.	1805

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
IMR 3031	Winchester	CCI 200	53.0	3251	57.0	3510
IMR 4064	Winchester	CCI 200	55.0	3202	59.0	3450
Hodgdon H335	Winchester	CCI 250	54.0	3147	58.0	3383
Winchester 748	Winchester	CCI 250	56.0	3166	60.0	3369
IMR 4895	Winchester	CCI 200	51.0	3073	55.0	3323
IMR 4320	Winchester	CCI 200	54.0	3044	58.0	3289
Hodgdon H322	Winchester	CCI 200	48.0	2985	52.0	3268
Alliant Reloder 7	Winchester	CCI 200	43.0	2875	47.0	3239
IMR SR 4759 (reduced load)	Winchester	CCI 200	16.0	1545	20.0	1969

.308"	30
Weight (grains)	110
Ballistic Coefficient	0.179
Sectional Density	0.166
COAL Tested	2.915"
Speer Part No.	1846

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Winchester 748	Winchester	CCI 250	58.0	3201	62.0 C	3414
Alliant Reloder 15	Winchester	CCI 200	56.0	3124	60.0 C	3363
Accurate 2460	Winchester	CCI 250	51.0	3129	55.0	3349
Accurate 2520	Winchester	CCI 250	52.0	3144	56.0	3343
Hodgdon Varget	Winchester	CCI 200	55.0	3063	59.0 C	3312
IMR 4064	Winchester	CCI 200	54.0	2965	58.0	3264
Vihavuori N135	Winchester	CCI 200	51.0	3047	55.0	3258
Accurate 2495	Winchester	CCI 200	51.0	2950	55.0	3218
IMR 4320	Winchester	CCI 200	53.0	2931	57.0	3135
IMR 4895	Winchester	CCI 200	50.5	2908	54.5	3127
Hodgdon H4895	Winchester	CCI 200	49.0	2855	53.0	3123
Hodgdon BL-C(2)	Winchester	CCI 250	51.0	2815	55.0	3096
Hodgdon H322	Winchester	CCI 200	46.0	2789	50.0	2941
Accurate XMR 5744 (reduced load)	Winchester	CCI 200	26.0	1965	27.0	2044

.308"	30
Weight (grains)	Varminter HP
Ballistic Coefficient	110
Sectional Density	0.128
COAL Tested	0.166
Speer Part No.	2.870"
	1835

NOTE: This bullet not intended for velocities in excess of 2900 fps.

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Winchester 760	Winchester	CCI 250	52.0	2682	56.0	2904
Winchester 748	Winchester	CCI 250	44.5	2631	48.5	2888
IMR 4350	Winchester	CCI 200	54.0	2651	58.0	2873
IMR 3031	Winchester	CCI 200	42.5	2601	46.5	2871
IMR 4895	Winchester	CCI 200	44.0	2588	48.0	2847
Alliant Reloder 7	Winchester	CCI 200	38.0	2541	42.0	2836
Hodgdon H322	Winchester	CCI 200	41.0	2530	45.0	2769
Hodgdon BL-C(2)	Winchester	CCI 250	48.0	2537	52.0	2766
IMR 4227 (reduced load)	Winchester	CCI 200	29.0	2316	31.0	2500

.30	30
Weight (grains)	TNT® HP
Ballistic Coefficient	125
Sectional Density	0.341
COAL Tested	0.188
Speer Part No.	3.100"
	1986

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Alliant AR-Comp	Federal	Federal 210	48.6	3037	53.7	3261
Alliant Power Pro Varmint	Federal	Federal 210	48.4	2984	53.6	3228
IMR 8208 XBR	Federal	Federal 210	48.4	3048	52.6	3222
Alliant Reloder 10X	Federal	Federal 210	46.3	2959	51.3	3210
Accurate 2460	Winchester	CCI 250	49.0	2974	53.0	3178
IMR 3031	Winchester	CCI 200	50.0	2862	54.0	3167
Vihtavuori N135	Winchester	CCI 200	49.0	2844	53.0	3116
Accurate 2015	Winchester	CCI 200	46.0	2905	50.0	3111
Hodgdon BL-C(2)	Winchester	CCI 250	51.0	2874	55.0	3106
Accurate 2495	Winchester	CCI 200	50.0	2876	54.0	3105
Accurate 2230	Winchester	CCI 200	47.0	2887	51.0	3103
Hodgdon H335	Winchester	CCI 250	51.0	2872	55.0	3093
Accurate 2520	Winchester	CCI 250	48.0	2867	52.0	3085
Hodgdon Varget	Winchester	CCI 200	51.5	2763	55.5	3037
Hodgdon H4895	Winchester	CCI 200	47.0	2741	51.0	3025
Alliant Power Pro 1200-R	Federal	Federal 210	38.5	2812	42.5	3025
IMR 4320	Winchester	CCI 200	51.0	2762	55.0	3011
IMR 4895	Winchester	CCI 200	48.0	2777	52.0	3002
Hodgdon H322	Winchester	CCI 200	44.0	2720	48.0	2916

.308"	30 HP	30 SPFN Hot- Cor®
Weight (grains)	130	130
Ballistic Coefficient	0.244	0.212
Sectional Density	0.196	0.196
COAL Tested	3.060"	3.045"
Speer Part No.	2005	2007

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Alliant Power Pro 2000-MR	Federal	Federal 210	51.2	2928	56.6	3192
Alliant Reloder 15	Federal	Federal 210	49.5	2862	54.7	3165
Alliant AR-Comp	Federal	Federal 210	46.5	2915	51.4	3149
IMR 8208 XBR	Federal	Federal 210	45.5	2905	50.6	3120
Alliant Power Pro Varmint	Federal	Federal 210	44.6	2841	49.3	3064
Accurate 2460	Winchester	CCI 250	47.5	2805	51.0	3031
IMR 4064	Winchester	CCI 200	51.0	2802	55.0	3022
Hodgdon H414	Winchester	CCI 250	56.0	2787	60.0	3012
Hodgdon Varget	Winchester	CCI 200	51.0	2771	55.0	3006
Accurate 2015	Winchester	CCI 200	45.0	2803	49.0	3004
IMR 3031	Winchester	CCI 200	48.5	2678	52.5	3003
Hodgdon H335	Winchester	CCI 250	50.0	2758	54.0	2979
IMR 4895	Winchester	CCI 200	47.5	2728	51.5	2937
Winchester 748	Winchester	CCI 250	51.0	2728	55.0	2910
Hodgdon BL-C(2)	Winchester	CCI 250	49.0	2699	53.0	2894
Vihtavuori N140	Winchester	CCI 200	48.0	2671	52.0	2868
Hodgdon H4895	Winchester	CCI 200	45.0	2654	49.0	2764
Hodgdon H322	Winchester	CCI 200	43.0	2546	47.0	2757
Accurate 5744 (reduced load)	Winchester	CCI 200	25.0	1819	27.0	1949

.308"	30 SPFN Hot-Cor®	30 Spitzer BTSP	30 Spitzer SP Hot-Cor®	30 Grand Slam® SP/CANN
Weight (grains)	150	150	150	150
Ballistic Coefficient	0.255	0.417	0.377	0.295
Sectional Density	0.226	0.226	0.226	0.226
COAL Tested	3.045"	3.250"	3.250"	3.160"
Speer Part No.	2011	2022	2023	2026

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Alliant Reloder 16	Federal	Federal 210	53.3	2754	59.0 C	3013
Alliant Reloder 17	Federal	Federal 210	51.7	2716	56.7	2958
IMR 4451	Federal	Federal 210	54.5	2700	60.4 C	2933
Alliant Power Pro 2000-MR	Federal	Federal 210	46.6	2685	51.4	2906
Hodgdon H380	Winchester	CCI 250	54.0	2690	58.0	2885
IMR 4350	Winchester	CCI 200	55.0	2620	59.0	2872
Vihtavuori N540	Winchester	CCI 200	45.0	2664	49.0	2867
Alliant AR-Comp	Federal	Federal 210	42.6	2656	47.1	2859
Hodgdon H414	Winchester	CCI 250	54.0	2633	58.0	2840
Hodgdon Varget	Winchester	CCI 200	49.0	2587	53.0	2817
Winchester 760	Winchester	CCI 250	53.0	2558	57.0	2814
Hodgdon H4350	Winchester	CCI 200	55.0	2541	59.0 C	2800
IMR 4064	Winchester	CCI 200	48.0	2547	52.0	2772
Alliant Reloder 15	Winchester	CCI 200	48.0	2550	52.0	2762
IMR 4895	Winchester	CCI 200	45.5	2543	49.5	2756
Alliant Reloder 19	Winchester	CCI 200	58.0	2548	62.0 C	2756
Accurate 2460	Winchester	CCI 250	44.0	2585	48.0	2750
Hodgdon H4895	Winchester	CCI 200	42.0	2451	46.0	2601
Accurate 5744 (reduced load)	Winchester	CCI 200	26.0	1941	28.0	2064

.308"	30 Spitzer BTSP	30 Spitzer SP Hot-Cor®	30 Grand Slam® SP/CANN
Weight (grains)	165	165	165
Ballistic Coefficient	0.520	0.444	0.354
Sectional Density	0.248	0.248	0.248
COAL Tested	3.250"	3.250"	3.165"
Speer Part No.	2034	2035	2038

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Ramshot Hunter	Federal	Federal 210	57.4	2803	63.4 C	2974
Alliant Power Pro 4000-MR	Federal	Federal 210	54.8	2705	60.8 C	2943
Alliant Reloder 16	Federal	Federal 210	52.0	2733	57.0 C	2936
Alliant Reloder 17	Federal	Federal 210	51.9	2878	56.5	2879
Accurate 4350	Federal	Federal 210	53.6	2622	59.5 C	2870
Alliant Power Pro 2000-MR	Federal	Federal 210	47.2	2628	52.2	2851
Winchester 760	Winchester	CCI 250	53.0	2631	57.0	2840
Hodgdon H4831SC	Winchester	CCI 200	60.0	2534	62.0 C	2808
IMR 4350	Winchester	CCI 200	54.0	2501	58.0	2782
Vihtavuori N540	Winchester	CCI 200	43.0	2588	47.0	2774
Alliant Reloder 22	Winchester	CCI 200	58.0	2530	62.0 C	2759
Hodgdon H4350	Winchester	CCI 200	54.0	2489	58.0 C	2758
Hodgdon H414	Winchester	CCI 250	52.0	2520	56.0	2757
Hodgdon H380	Winchester	CCI 250	51.0	2544	55.0	2740
Hodgdon Varget	Winchester	CCI 200	46.0	2462	50.0	2703
IMR 4831	Winchester	CCI 200	55.0	2442	59.0	2702
Vihtavuori N140	Winchester	CCI 200	46.0	2490	50.0	2695
IMR 4064	Winchester	CCI 200	46.5	2433	50.5	2671
Alliant Reloder 19	Winchester	CCI 200	55.0	2372	59.0 C	2644
Accurate 2520	Winchester	CCI 250	42.0	2354	46.0	2624
IMR SR 4759 (reduced load)	Winchester	CCI 200	21.0	1615	25.0	1949

.308"	30 Match BTHP
Weight (grains)	168
Ballistic Coefficient	0.534
Sectional Density	0.253
COAL Tested	3.295"
Speer Part No.	2040

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Alliant Reloder 16	Federal	Federal 210	52.9	2725	58.6 C	2952
Alliant Reloder 17	Federal	Federal 210	51.0	2626	56.7	2888
Vihtavuori N160	Winchester	CCI 200	57.0	2610	61.0	2863
IMR 4451	Federal	Federal 210	52.3	2633	58.1 C	2857
Hodgdon H4350	Winchester	CCI 200	56.0	2591	60.0 C	2831
IMR 4350	Winchester	CCI 200	55.0	2586	59.0	2818
Alliant AR-Comp	Federal	Federal 210	43.1	2590	47.7	2787
†Hodgdon H380	Winchester	CCI 250	51.0	2479	55.0	2770
IMR 7828	Winchester	CCI 250	58.0	2575	62.0	2739
Alliant Reloder 19	Winchester	CCI 200	57.0	2489	61.0 C	2730
Hodgdon H4831	Winchester	CCI 250	57.0	2450	61.0 C	2693
IMR 4831	Winchester	CCI 250	56.0	2398	60.0	2664
Hodgdon H414	Winchester	CCI 250	50.0	2453	54.0	2664
Winchester 760	Winchester	CCI 250	50.0	2411	54.0	2658
†IMR 4895	Winchester	CCI 200	44.0	2461	48.0	2635
†IMR 4064	Winchester	CCI 200	45.0	2389	49.0	2577

†—denotes propellant suitable for gas-operated semi-auto match rifles

.308"	30 Spitzer BTSP	30 Spitzer SP Hot- Cor®	30 Grand Slam® SP/CANN
Weight (grains)	180	180	180
Ballistic Coefficient	0.545	0.441	0.374
Sectional Density	0.271	0.271	0.271
COAL Tested	3.250"	3.160"	3.160"
Speer Part No.	2052	2053	2063

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Ramshot Hunter	Federal	Federal 210	54.1	2502	59.2 C	2797
Hodgdon H4350	Winchester	CCI 200	54.0	2671	58.0 C	2791
IMR 4064	Winchester	CCI 200	46.0	2612	50.0	2791
Alliant Reloder 16	Federal	Federal 210	49.8	2545	55.2 C	2770
Alliant Reloder 23	Federal	Federal 210	53.2	2503	59.9 C	2769
Alliant Power Pro 4000-MR	Federal	Federal 210	51.4	2552	57.1 C	2764
Alliant Reloder 22	Winchester	CCI 200	58.0	2648	62.0 C	2755
Hodgdon H4831SC	Winchester	CCI 200	60.0	2610	62.0 C	2753
Alliant Reloder 17	Federal	Federal 210	49.0	2522	54.4	2732
IMR 4831	Winchester	CCI 200	55.0	2572	59.0 C	2716
Winchester 760	Winchester	CCI 250	51.0	2567	55.0	2709
Hodgdon H414	Winchester	CCI 250	51.0	2573	55.0	2705
Alliant Reloder 19	Winchester	CCI 200	55.0	2483	59.0 C	2671
IMR 4350	Winchester	CCI 200	52.0	2523	56.0 C	2670
Alliant Power Pro 2000-MR	Federal	Federal 210	45.0	2445	49.8	2666
Accurate 4350	Winchester	CCI 200	53.0	2469	57.0 C	2645
Vihtavuori N160	Winchester	CCI 200	52.0	2351	56.0	2584
Alliant Reloder 15	Winchester	CCI 200	45.0	2434	49.0	2579
IMR 4895	Winchester	CCI 200	43.0	2387	47.0	2564
IMR 4198 (reduced load)	Winchester	CCI 200	26.0	1725	30.0	2010



TAKE AIM AT RIFLE RELOADING DATA

CARTRIDGE

30-06

Twist: 1:10.000"

Barrel Length: 24.000"

Trim Length: 2.484"

BULLET WEIGHT
168 GR. BAR TTSX BT
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

				Starting Load			Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.300"	48.5	2,557	53,600 PSI	53.9	2,817	59,500 PSI
Accurate	4064	0.308"	3.300"	45.9	2,523	54,000 PSI	51.0	2,790	60,000 PSI
Accurate	4350	0.308"	3.300"	49.6	2,407	47,000 PSI	55.1	2,697	52,300 PSI

Starting Load						Maximum Loads			
Ramshot	Big Game	0.308"	3.300"	50.6	2,648	53,700 PSI	56.2	2,870	59,700 PSI
Ramshot	Hunter	0.308"	3.300"	55.5	2,661	50,600 PSI	61.6	2,902	56,300 PSI

BULLET WEIGHT
168 GR. BER VLD
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load						Maximum Loads			
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.330"	50.9	2,642	53,100 PSI	56.6	2,885	59,000 PSI
Accurate	4064	0.308"	3.330"	46.4	2,610	53,200 PSI	51.5	2,840	59,100 PSI
Accurate	4350	0.308"	3.330"	53.6	2,589	49,900 PSI	59.5	2,874	55,500 PSI
Ramshot	Big Game	0.308"	3.330"	49.7	2,666	53,900 PSI	55.3	2,881	59,900 PSI
Ramshot	Hunter	0.308"	3.330"	54.8	2,721	53,500 PSI	60.9	2,964	59,400 PSI

BULLET WEIGHT
168 GR. HDY A-MAX
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.330"	50.0	2,575	53,800 PSI	55.5	2,835	59,800 PSI
Accurate	4064	0.308"	3.330"	46.1	2,576	53,500 PSI	51.2	2,816	59,400 PSI
Accurate	4350	0.308"	3.330"	53.4	2,562	49,700 PSI	59.3	2,855	55,200 PSI
Ramshot	Big Game	0.308"	3.330"	49.0	2,629	53,400 PSI	54.4	2,845	59,400 PSI
Ramshot	Hunter	0.308"	3.330"	54.4	2,715	53,700 PSI	60.5	2,945	59,700 PSI

BULLET WEIGHT
168 GR. HDY HPBT
CASE
WINCHESTER
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Hodgdon	Benchmark	0.308"	3.230"	44.0	2,614	42,900 CUP	47.2	2,760	49,400 CUP
Hodgdon	BL-C(2)	0.308"	3.230"	46.0	2,555	39,100 CUP	51.0	2,767	49,200 CUP
Hodgdon	H335	0.308"	3.230"	42.0	2,459	39,900 CUP	46.5	2,656	49,500 CUP
Hodgdon	H380	0.308"	3.230"	51.0	2,648	42,800 CUP	56.5	2,859	49,700 CUP
Hodgdon	H414	0.308"	3.230"	53.0	2,686	40,300 CUP	56.5	2,839	49,700 CUP
Hodgdon	H4350	0.308"	3.230"	55.0	2,695	40,400 CUP	59.0	2,897	48,100 CUP
Hodgdon	H4895	0.308"	3.230"	43.0	2,574	41,200 CUP	47.5	2,789	50,000 CUP
Hodgdon	Hybrid 100V	0.308"	3.230"	52.0	2,645	50,400 PSI	57.0C	2,817	57,400 PSI

Starting Load							Maximum Loads		
Hodgdon	Varget	0.308"	3.230"	47.0	2,710	42,700 CUP	50.5	2,859	49,200 CUP
IMR	IMR 4064	0.308"	3.230"	47.0	2,660	46,800 PSI	50.8	2,850	57,900 PSI
IMR	IMR 4166	0.308"	3.230"	44.7	2,610	49,200 PSI	48.6	2,794	59,200 PSI
IMR	IMR 4320	0.308"	3.230"	46.0	2,646	48,900 PSI	49.7	2,816	58,400 PSI
IMR	IMR 4350	0.308"	3.230"	54.0	2,720	48,500 PSI	58.0C	2,903	57,800 PSI
IMR	IMR 4451	0.308"	3.230"	52.7	2,646	50,200 PSI	56.7	2,837	59,300 PSI
IMR	IMR 4895	0.308"	3.230"	48.0	2,719	49,900 PSI	51.2	2,859	58,200 PSI
IMR	IMR 8208 XBR	0.308"	3.230"	45.1	2,661	54,800 PSI	48.0	2,748	58,700 PSI
Winchester	760	0.308"	3.230"	53.0	2,686	40,300 CUP	56.5	2,839	49,700 CUP
Winchester	StaBALL 6.5	0.308"	3.230"	54.0	2,703	47,900 PSI	58.1	2,903	58,900 PSI

BULLET WEIGHT
168 GR. NOS E-TIP
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.330"	49.7	2,581	53,400 PSI	55.2	2,815	59,300 PSI
Accurate	4064	0.308"	3.330"	45.2	2,517	53,500 PSI	50.2	2,763	59,500 PSI
Accurate	4350	0.308"	3.330"	51.8	2,546	51,500 PSI	57.6	2,834	57,300 PSI
Ramshot	Big Game	0.308"	3.330"	49.5	2,606	53,800 PSI	55.0	2,844	59,800 PSI
Ramshot	Hunter	0.308"	3.330"	54.2	2,680	53,200 PSI	60.3	2,924	59,100 PSI

BULLET WEIGHT
168 GR. NOS HPBT
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.330"	51.6	2,630	53,400 PSI	57.3	2,873	59,300 PSI
Accurate	4064	0.308"	3.330"	47.4	2,627	53,500 PSI	52.7	2,863	59,500 PSI
Accurate	4350	0.308"	3.330"	54.5	2,603	49,900 PSI	60.5	2,875	55,400 PSI
Ramshot	Big Game	0.308"	3.330"	49.0	2,637	53,800 PSI	54.4	2,844	59,800 PSI
Ramshot	Hunter	0.308"	3.330"	54.2	2,702	53,200 PSI	60.2	2,935	59,200 PSI

BULLET WEIGHT
168 GR. SIE HPBT
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.285"	50.1	2,623	53,400 PSI	55.6	2,855	59,400 PSI
Accurate	4064	0.308"	3.285"	46.4	2,617	53,700 PSI	51.6	2,840	59,700 PSI
Accurate	4350	0.308"	3.285"	53.1	2,596	50,200 PSI	59.0	2,866	55,800 PSI
Ramshot	Big Game	0.308"	3.285"	49.1	2,644	53,500 PSI	54.6	2,858	59,500 PSI
Ramshot	Hunter	0.308"	3.285"	53.6	2,695	53,400 PSI	59.5	2,931	59,300 PSI



TAKE AIM AT RIFLE RELOADING DATA

CARTRIDGE

30-06

Twist: 1:10.000"

Barrel Length: 24.000"

Trim Length: 2.484"

BULLET WEIGHT
168 GR. BAR TTSX BT
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

				Starting Load			Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.300"	48.5	2,557	53,600 PSI	53.9	2,817	59,500 PSI
Accurate	4064	0.308"	3.300"	45.9	2,523	54,000 PSI	51.0	2,790	60,000 PSI
Accurate	4350	0.308"	3.300"	49.6	2,407	47,000 PSI	55.1	2,697	52,300 PSI

Starting Load						Maximum Loads			
Ramshot	Big Game	0.308"	3.300"	50.6	2,648	53,700 PSI	56.2	2,870	59,700 PSI
Ramshot	Hunter	0.308"	3.300"	55.5	2,661	50,600 PSI	61.6	2,902	56,300 PSI

BULLET WEIGHT
168 GR. BER VLD
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load						Maximum Loads			
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.330"	50.9	2,642	53,100 PSI	56.6	2,885	59,000 PSI
Accurate	4064	0.308"	3.330"	46.4	2,610	53,200 PSI	51.5	2,840	59,100 PSI
Accurate	4350	0.308"	3.330"	53.6	2,589	49,900 PSI	59.5	2,874	55,500 PSI
Ramshot	Big Game	0.308"	3.330"	49.7	2,666	53,900 PSI	55.3	2,881	59,900 PSI
Ramshot	Hunter	0.308"	3.330"	54.8	2,721	53,500 PSI	60.9	2,964	59,400 PSI

BULLET WEIGHT
168 GR. HDY A-MAX
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.330"	50.0	2,575	53,800 PSI	55.5	2,835	59,800 PSI
Accurate	4064	0.308"	3.330"	46.1	2,576	53,500 PSI	51.2	2,816	59,400 PSI
Accurate	4350	0.308"	3.330"	53.4	2,562	49,700 PSI	59.3	2,855	55,200 PSI
Ramshot	Big Game	0.308"	3.330"	49.0	2,629	53,400 PSI	54.4	2,845	59,400 PSI
Ramshot	Hunter	0.308"	3.330"	54.4	2,715	53,700 PSI	60.5	2,945	59,700 PSI

BULLET WEIGHT
168 GR. HDY HPBT
CASE
WINCHESTER
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Hodgdon	Benchmark	0.308"	3.230"	44.0	2,614	42,900 CUP	47.2	2,760	49,400 CUP
Hodgdon	BL-C(2)	0.308"	3.230"	46.0	2,555	39,100 CUP	51.0	2,767	49,200 CUP
Hodgdon	H335	0.308"	3.230"	42.0	2,459	39,900 CUP	46.5	2,656	49,500 CUP
Hodgdon	H380	0.308"	3.230"	51.0	2,648	42,800 CUP	56.5	2,859	49,700 CUP
Hodgdon	H414	0.308"	3.230"	53.0	2,686	40,300 CUP	56.5	2,839	49,700 CUP
Hodgdon	H4350	0.308"	3.230"	55.0	2,695	40,400 CUP	59.0	2,897	48,100 CUP
Hodgdon	H4895	0.308"	3.230"	43.0	2,574	41,200 CUP	47.5	2,789	50,000 CUP
Hodgdon	Hybrid 100V	0.308"	3.230"	52.0	2,645	50,400 PSI	57.0C	2,817	57,400 PSI

Starting Load							Maximum Loads		
Hodgdon	Varget	0.308"	3.230"	47.0	2,710	42,700 CUP	50.5	2,859	49,200 CUP
IMR	IMR 4064	0.308"	3.230"	47.0	2,660	46,800 PSI	50.8	2,850	57,900 PSI
IMR	IMR 4166	0.308"	3.230"	44.7	2,610	49,200 PSI	48.6	2,794	59,200 PSI
IMR	IMR 4320	0.308"	3.230"	46.0	2,646	48,900 PSI	49.7	2,816	58,400 PSI
IMR	IMR 4350	0.308"	3.230"	54.0	2,720	48,500 PSI	58.0C	2,903	57,800 PSI
IMR	IMR 4451	0.308"	3.230"	52.7	2,646	50,200 PSI	56.7	2,837	59,300 PSI
IMR	IMR 4895	0.308"	3.230"	48.0	2,719	49,900 PSI	51.2	2,859	58,200 PSI
IMR	IMR 8208 XBR	0.308"	3.230"	45.1	2,661	54,800 PSI	48.0	2,748	58,700 PSI
Winchester	760	0.308"	3.230"	53.0	2,686	40,300 CUP	56.5	2,839	49,700 CUP
Winchester	StaBALL 6.5	0.308"	3.230"	54.0	2,703	47,900 PSI	58.1	2,903	58,900 PSI

BULLET WEIGHT
168 GR. NOS E-TIP
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.330"	49.7	2,581	53,400 PSI	55.2	2,815	59,300 PSI
Accurate	4064	0.308"	3.330"	45.2	2,517	53,500 PSI	50.2	2,763	59,500 PSI
Accurate	4350	0.308"	3.330"	51.8	2,546	51,500 PSI	57.6	2,834	57,300 PSI
Ramshot	Big Game	0.308"	3.330"	49.5	2,606	53,800 PSI	55.0	2,844	59,800 PSI
Ramshot	Hunter	0.308"	3.330"	54.2	2,680	53,200 PSI	60.3	2,924	59,100 PSI

BULLET WEIGHT
168 GR. NOS HPBT
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.330"	51.6	2,630	53,400 PSI	57.3	2,873	59,300 PSI
Accurate	4064	0.308"	3.330"	47.4	2,627	53,500 PSI	52.7	2,863	59,500 PSI
Accurate	4350	0.308"	3.330"	54.5	2,603	49,900 PSI	60.5	2,875	55,400 PSI
Ramshot	Big Game	0.308"	3.330"	49.0	2,637	53,800 PSI	54.4	2,844	59,800 PSI
Ramshot	Hunter	0.308"	3.330"	54.2	2,702	53,200 PSI	60.2	2,935	59,200 PSI

BULLET WEIGHT
168 GR. SIE HPBT
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.285"	50.1	2,623	53,400 PSI	55.6	2,855	59,400 PSI
Accurate	4064	0.308"	3.285"	46.4	2,617	53,700 PSI	51.6	2,840	59,700 PSI
Accurate	4350	0.308"	3.285"	53.1	2,596	50,200 PSI	59.0	2,866	55,800 PSI
Ramshot	Big Game	0.308"	3.285"	49.1	2,644	53,500 PSI	54.6	2,858	59,500 PSI
Ramshot	Hunter	0.308"	3.285"	53.6	2,695	53,400 PSI	59.5	2,931	59,300 PSI

BULLET WEIGHT
180 GR. BAR TSX BT
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.218"	48.3	2,519	53,100 PSI	53.7	2,768	59,000 PSI
Accurate	4064	0.308"	3.218"	45.6	2,510	53,300 PSI	50.7	2,743	59,300 PSI
Accurate	4350	0.308"	3.218"	50.1	2,446	46,000 PSI	55.7	2,685	51,100 PSI
Ramshot	Big Game	0.308"	3.218"	51.2	2,634	53,500 PSI	56.9	2,842	59,500 PSI
Ramshot	Hunter	0.308"	3.218"	54.4	2,615	49,500 PSI	60.4	2,838	55,000 PSI

BULLET WEIGHT
180 GR. HDY SST
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.220"	48.4	2,520	53,400 PSI	53.8	2,761	59,300 PSI
Accurate	4064	0.308"	3.220"	45.2	2,491	53,500 PSI	50.3	2,723	59,400 PSI
Accurate	4350	0.308"	3.220"	50.3	2,407	46,500 PSI	55.9	2,678	51,700 PSI
Ramshot	Big Game	0.308"	3.220"	48.8	2,557	53,600 PSI	54.2	2,768	59,600 PSI
Ramshot	Hunter	0.308"	3.220"	54.5	2,650	53,100 PSI	60.5	2,869	59,000 PSI

BULLET WEIGHT
180 GR. NOS BT
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Ramshot	Hunter	0.308"	3.340"	51.0	2,513	51,100 PSI	59.4	2,820	59,400 PSI

BULLET WEIGHT
180 GR. NOS E-TIP
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.340"	47.5	2,467	53,500 PSI	52.7	2,710	59,400 PSI

Starting Load						Maximum Loads			
Accurate	4064	0.308"	3.340"	44.9	2,453	53,700 PSI	49.9	2,697	59,600 PSI
Accurate	4350	0.308"	3.340"	49.9	2,425	46,800 PSI	55.5	2,643	52,000 PSI
Ramshot	Big Game	0.308"	3.340"	47.1	2,464	53,300 PSI	52.3	2,701	59,200 PSI
Ramshot	Hunter	0.308"	3.340"	52.3	2,588	53,500 PSI	58.1	2,821	59,500 PSI

BULLET WEIGHT
180 GR. SIE HPBT
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load						Maximum Loads			
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.305"	48.3	2,517	53,400 PSI	53.7	2,740	59,400 PSI
Accurate	4064	0.308"	3.305"	44.0	2,476	53,400 PSI	48.9	2,688	59,300 PSI
Accurate	4350	0.308"	3.305"	51.8	2,533	53,700 PSI	57.6	2,796	59,600 PSI

Starting Load						Maximum Loads			
Ramshot	Big Game	0.308"	3.305"	47.7	2,533	53,800 PSI	53.0	2,736	59,800 PSI
Ramshot	Hunter	0.308"	3.305"	52.6	2,596	53,500 PSI	58.5	2,824	59,500 PSI

BULLET WEIGHT
180 GR. SIE SBT
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load						Maximum Loads			
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Ramshot	Hunter	0.308"	3.335"	51.6	2,527	51,100 PSI	60.0	2,852	59,500 PSI

BULLET WEIGHT
180 GR. SIE SPBT
CASE
WINCHESTER
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load

Maximum

Loads

Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Hodgdon	Benchmark	0.308"	3.300"	43.0	2,550	45,600 CUP	46.0	2,660	49,000 CUP
Hodgdon	BL-C(2)	0.308"	3.300"	44.0	2,456	39,200 CUP	48.5	2,634	48,100 CUP
Hodgdon	H335	0.308"	3.300"	42.0	2,455	41,900 CUP	46.0	2,621	49,200 CUP
Hodgdon	H380	0.308"	3.300"	48.0	2,490	39,900 CUP	53.0	2,682	48,700 CUP
Hodgdon	H414	0.308"	3.300"	50.0	2,528	39,200 CUP	55.5	2,743	48,700 CUP
Hodgdon	H4350	0.308"	3.300"	52.0	2,543	37,800 CUP	57.5	2,798	49,300 CUP
Hodgdon	H4831	0.308"	3.300"	54.0	2,447	34,700 CUP	60.0C	2,710	44,300 CUP
Hodgdon	H4895	0.308"	3.300"	41.0	2,427	38,100 CUP	46.0	2,638	48,800 CUP
Hodgdon	Hybrid 100V	0.308"	3.300"	53.0	2,585	47,000 PSI	57.0C	2,742	55,200 PSI
Hodgdon	Suprform	0.308"	3.300"	54.0	2,628	46,200 PSI	59.7	2,840	57,600 PSI
Hodgdon	Varget	0.308"	3.300"	44.0	2,533	41,900 CUP	47.0	2,668	50,000 CUP
IMR	IMR 4064	0.308"	3.300"	45.5	2,550	48,900 PSI	48.7	2,700	58,200 PSI
IMR	IMR 4166	0.308"	3.300"	45.5	2,575	50,800 PSI	48.8	2,724	58,800 PSI

IMR	IMR 4320	0.308"	3.300"	45.0	2,525	49,900 PSI	47.8	2,661	58,000 PSI
IMR	IMR 4350	0.308"	3.300"	53.0	2,586	48,300 PSI	56.5C	2,752	57,200 PSI
IMR	IMR 4451	0.308"	3.300"	51.7	2,574	50,900 PSI	55.6	2,752	59,600 PSI
IMR	IMR 4831	0.308"	3.300"	53.0	2,563	47,300 PSI	56.8C	2,749	57,100 PSI
IMR	IMR 4895	0.308"	3.300"	45.0	2,555	49,500 PSI	48.0	2,680	56,800 PSI
IMR	IMR 4955	0.308"	3.300"	56.7	2,635	50,200 PSI	61.0C	2,828	60,000 PSI
IMR	IMR 7977	0.308"	3.300"	58.3	2,513	47,700 PSI	62.0C	2,686	56,600 PSI
Winchester	760	0.308"	3.300"	50.0	2,528	39,200 CUP	55.5	2,743	48,700 CUP
Winchester	StaBALL 6.5	0.308"	3.300"	52.6	2,663	49,700 PSI	57.2	2,857	59,600 PSI
Winchester	Supreme 780	0.308"	3.300"	57.3	2,545	47,300 PSI	61.0	2,673	54,100 PSI

BULLET WEIGHT
180 GR. SIE SPT
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load

Maximum

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Loads

Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.300"	49.7	2,505	53,300 PSI	55.2	2,721	59,200 PSI
Accurate	4064	0.308"	3.300"	45.6	2,489	53,600 PSI	50.7	2,701	59,600 PSI
Accurate	4350	0.308"	3.300"	54.3	2,559	52,200 PSI	60.3	2,797	58,000 PSI
Ramshot	Big Game	0.308"	3.300"	49.0	2,507	53,500 PSI	54.4	2,732	59,400 PSI
Ramshot	Hunter	0.308"	3.300"	53.9	2,600	53,800 PSI	59.9	2,835	59,700 PSI

BULLET WEIGHT

180 GR. SPR GS

CASE

REMINGTON

PRIMER

WINCHESTER LR, LARGE RIFLE

Starting Load

Maximum Loads

Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.170"	49.1	2,501	53,000 PSI	54.6	2,730	58,900 PSI
Accurate	4350	0.308"	3.170"	52.7	2,515	50,300 PSI	58.5	2,753	55,800 PSI

Starting Load							Maximum Loads		
Ramshot	Hunter	0.308"	3.170"	54.9	2,642	53,900 PSI	61.0	2,860	59,900 PSI

30-60 Springfield Reloading Data

Bullet	Hornady RN 110 grain			
B.C.	0.150			
C.O.L.	2.874			
Gunpowder	Charge Weight		Velocity fps	
Norma 201	Max 57.1 Min 54.0		3458	3284
Norma 202	Max 56.5 Min 54.0		3416	3209

Bullet	Hornady Soft Point 110 Grain			
B.C.	0.256			
C.O.L.	3.110			
Gunpowder	Charge Weight		Velocity fps	
Norma 201	Max 57.1 Min 54.0		3481	3307
Norma 202	Max 56.08 Min 54.0		3438	3235

Bullet	Hornady Soft Point 130 Grain			
B.C.	0.295			
C.O.L.	3.071			
Gunpowder	Charge Weight		Velocity fps	
Norma 201	Max 53.8 Min 51.0		3225	3045
Norma 202	Max 55.6 Min 52.0		3265	3055
Norma 203-B	Max 56.4 Min 53.0		3261	3051

Bullet	Norma ECOSTRIKE 150 Grain			
B.C.	.0376			
C.O.L.	3.173			
Gunpowder	Charge Weight		Velocity fps	
Norma 203	Max 51.2 Min 50.0		2943	2881
Norma 204	Max 57.2 Min 55.9		2946	2864

Bullet	Nosler BST 150 Grain			
B.C.	0.435			
C.O.L.	3.228			
Gunpowder	Charge Weight		Velocity fps	
Norma 203-B	Max 53.2 Min 50.0		3028	2897
Norma 204	Max 57.1 Min 55.0		2927	2736

Bullet	Norma FMJ 150 Grain			
B.C.	0.423			
C.O.L.	3.110			
Gunpowder	Charge Weight		Velocity fps	
Norma 203-B	Max 53.8 Min 50.0		3051	2874
Norma 204	Max 57.1 Min 55.0		2907	2753
Norma URP	Max 59.9 Min 54.0		3087	2799

Bullet	Norma ECOSTRIKE 165 Grain			
B.C.	0.431			
C.O.L.	3.173			
Gunpowder	Charge Weight		Velocity fps	
Norma 203	Max 49.5 Min 48.3		2779	2703
Norma 204	Max 55.2 Min 53.8		2799	2710

Bullet	Norma Oryx 165 Grain			
B.C.	0.333			
C.O.L.	3.169			
Gunpowder	Charge Weight		Velocity fps	
Norma MRP	Max 61.0 Min 58.0		2953	2733

Bullet	Hornady Soft Point 165 Grain			
B.C.	0.387			
C.O.L.	3.228			
Gunpowder	Charge Weight		Velocity fps	
Norma URP	Max 57.2 Min 52.0		2930	2661
Norma 203-B	Max 52.5 Min 50.0		2828	2592
Norma 204	Max 56.9 Min 54.0		2867	2694
Bullet	Sierra MK 168 Grain			
B.C.	0.462			
C.O.L.	3.228			
Gunpowder	Charge Weight		Velocity fps	
Norma 203-B	Max 52.8 Min 50.0		2868	2644
Norma 204	Max 55.6 Min 53.0		2845	2697
Norma URP	Max 55.9 Min 52.9		2854	2700

Bullet	Norma TIPSTRIKE 170 Grain	
B.C.	0.454	

C.O.L.	3.213		
Gunpowder	Charge Weight	Velocity fps	
Norma 203-B	Max 50.3 Min 46.4	2756	2543
Norma 204	Max 56.9 Min 54.2	2772	2638
Norma URP	Max 54.0 Min 51.4	2769	2605
Norma MRP	Max 60.6 Min 57.6	2822	2677

Bullet	Norma Bondstrike 180 Grain		
B.C.	0.615		
C.O.L.	3.260		
Gunpowder	Charge Weight	Velocity fps	
Norma 204	Max 54.3 Min 51.7	2717	2579
Norma MRP	Max 58.6 Min 55.1	2746	2585

Bullet	Hornady Soft Point 180 Grain		
B.C.	0.425		
C.O.L.	3.228		
Gunpowder	Charge Weight	Velocity fps	
Norma URP	Max 54.9 Min 52.0	2782	2674
Norma 203-B	Max 50.9 Min 48.0	2720	2500
Norma 204	Max 54.3 Min 52.0	2723	2562
Norma MRP	Max 58.6 Min 56.0	2736	2585

Bullet	Norma ORYX 180 Grain		
B.C.	0.354		
C.O.L.	.0189		
Gunpowder	Charge Weight	Velocity fps	
Norma 203-B	Max 50.5 Min 48.0	2697	2494
Norma 204	Max 53.7 Min 51.0	2684	2579
Norma MRP	Max 58.8 Min 56.0	2733	2572
Norma URP	Max 56.5 Min 53.0	2812	1654

Bullet	Norma Alaska 180 Grain		
B.C.	0.257		
C.O.L.	3.189		
Gunpowder	Charge Weight	Velocity fps	
Norma 203-B	Max 51.6 Min 49.0	2697	2497
Norma 204	Max 55.4 Min 53.0	2710	2546

Norma MRP	Max 59.0	Min 56.0	2690	2500
Norma URP	Max 56.5	Min 53.0	2812	2664

Bullet	Norma Vulkan 180 Grain			
B.C.	0.315			
C.O.L.	3.189			
Gunpowder	Charge Weight	Velocity fps		
Norma 203-B	Max 50.8 Min 48.0	2720	2510	
Norma 204	Max 54.3 Min 52.0	2707	2526	
Norma MRP	Max 59.0 Min 56.0	2710	2566	
Norma URP	Max 55.5 Min 52.0	2779	2638	

Bullet	Nosler Accubond 180 Grain			
B.C.	.0507			
C.O.L.	3.248			
Gunpowder	Charge Weight	Velocity fps		
Norma URP	Max 55.5 Min 53.0	2802	2661	

Bullet	Nosler BST 180 Grain			
B.C.	0.507			
C.O.L.	3.228			
Gunpowder	Charge Weight	Velocity fps		
Norma 203-B	Max 50.6 Min 48.0	2707	2484	
Norma 204	Max 53.4 Min 51.0	2723	2530	
Norma MRP	Max 58.6 Min 56.0	2746	2595	

Bullet	Nosler Partition 180 Grain			
B.C.	0.474			
C.O.L.	.0228			
Gunpowder	Charge Weight	Velocity fps		
Norma 203-B	Max 50.9 Min 48.0	2713	2480	
Norma 204	Max 53.4 Min 51.0	2612	2553	
Norma MRP	Max 57.9 Min 55.0	2654	2559	
Norma URP	Max 55.1 Min 52.0	2763	2638	

Bullet	Norma Oryx 200 Grain			
B.C.	0.338			
C.O.L.	3.189			

Gunpowder	Charge Weight		Velocity fps	
Norma 204	Max 52.0	Min 49.0	2592	2378
Norma MRP	Max 55.7	Min 53.0	2569	2448
Norma URP	Max 52.6	Min 50.0	2618	2530

Bullet	Nosler Accubond 200 Grain			
B.C.	0.588			
C.O.L.	3.228			
Gunpowder	Charge Weight		Velocity fps	
Norma 204	Max 54.0	Min 51.2	2530	2398
Norma URP	Max 51.8	Min 49.2	2572	2434
Norma MRP	Max 57.6	Min 54.8	2621	2490

Bullet	Hornady RN 220 Grain			
B.C.	0.300			
C.O.L.	3.228			
Gunpowder	Charge Weight		Velocity fps	
Norma 204	Max 50.9	Min 48.0	2441	2330
Norma MRP	Max 55.6	Min 53.0	2500	2326
Norma URP	Max 51.1	Min 48.4	2438	2316

Case: Winchester Primer: Federal 210
Case Trim: 2.484" Barrel Length: 24"
Twist Rate: 1:10" Barrel: Bartlein

30-06 Springfield



110-grain TSX FB / TAC-X FB
Sectional Density .166
Ballistic Coefficient .264
C.O.A.L 3.218"

Suggested Bullet Use



110-grain TTSX FB / TAC-TX FB
Sectional Density .166
Ballistic Coefficient .295
C.O.A.L 3.218"

Suggested Bullet Use



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
RL 10X	48.0	3225	53.0	3503
TAC	56.0	3268	61.0	3573
H4895	54.0	3289	59.0	3570
IMR 4895	55.5	3272	60.5	3547
Varget	56.5	3300	61.5 ^c	3563
A-2520	59.5	3397	64.5	3615



130-grain TSX BT
Sectional Density .196
Ballistic Coefficient .340
C.O.A.L 3.218"

Suggested Bullet Use



130-grain TTSX BT
Sectional Density .196
Ballistic Coefficient .350
C.O.A.L 3.240"

Suggested Bullet Use



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
IMR 3031	50.5	3052	54.0	3258
Win 748	54.0	3069	60.5	3308
BL-C(2)	55.0	3116	58.5	3282
A-2460	49.5	3029	53.5	3195
H335	48.0	2944	52.0	3145
TAC	48.5	2981	53.0	3165
H4895	52.5	3071	55.5	3276
IMR 4895	53.5	3044	56.5	3213
Varget	53.5	3051	56.5	3225
IMR 4064	54.0	3058	58.0 ^c	3283
*Big Game	59.0	3093	62.0 ^c	3232
RL 15	53.5	3107	56.5	3285
Win 760	60.5	3105	65.0 ^c	3266
H414	61.0	3127	66.0 ^c	3298

Maximum Loads Should Be Used With Caution - Always Start With Minimum Loads.

* Recommended Powder

^c Compressed Load

30-06 Springfield



150-grain TSX BT / TAC-X BT
 Sectional Density .226
 Ballistic Coefficient .369
 C.O.A.L 3.218"

Suggested Bullet Use



150-grain TTSX BT
 Sectional Density .226
 Ballistic Coefficient .420
 C.O.A.L 3.240"

Suggested Bullet Use



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
IMR 3031	46.0	2760	48.5	2908
Win 748	49.5	2775	53.5	2996
BL-C(2)	49.5	2807	53.5	2974
A-2460	46.0	2748	49.0	2919
*H4895	48.5	2822	51.0	2975
IMR 4895	49.0	2762	51.5	2938
Varget	49.5	2793	52.5	2972
IMR 4064	49.5	2781	52.0	2976
Big Game	53.5	2834	58.0	3030
RL 15	49.0	2822	51.5 ^c	2983
H414	55.0	2842	60.0	3056



150-grain MPG FB / TAC-RRLP
 Sectional Density .226
 Ballistic Coefficient .357
 C.O.A.L 3.270"

Suggested Bullet Use



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
Varget	44.3	2594	49.3	2849
IMR 4064	43.7	2611	48.5	2851
A-4064	45.0	2571	50.0	2838
*Big Game	49.8	2687	55.4	2916
RL 15	44.3	2571	49.3	2841
A-2700	49.7	2682	55.3	2925
H380	50.9	2696	56.6 ^c	2934
IMR 4007SSC	47.8	2554	53.1	2861
H414	48.7	2621	54.1	2886
RL 17	50.3	2640	55.8	2934

30-06 Springfield



155-grain Match Burner
Sectional Density .233
Ballistic Coefficient .467
C.O.A.L 3.310"

Suggested Bullet Use



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
Varget	46.4	2630	51.5	2910
IMR 4064	45.7	2657	50.8	2911
*A-4064	47.6	2601	52.9	2908
Big Game	50.6	2700	56.2	2939
RL 15	47.8	2663	53.1	2914
A-2700	52.4	2686	58.2	2941
H380	51.8	2722	57.5	2947
IMR 4007SSC	51.0	2591	56.6 °	2917
H414	51.7	2618	57.4	2916
RL 17	52.1	2653	57.9	2979

30-06 Springfield



165-grain TSX BT
Sectional Density .248
Ballistic Coefficient .398
C.O.A.L 3.218"

Suggested Bullet Use



165-grain TTSX BT
Sectional Density .248
Ballistic Coefficient .442
C.O.A.L 3.240"

Suggested Bullet Use



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
BL-C(2)	45.5	2581	50.5	2809
IMR 4895	46.0	2588	49.5	2754
*IMR 4064	46.5	2594	50.0	2801
A-2520	47.5	2613	53.0	2851
IMR 4320	47.0	2561	50.0	2708
Big Game	50.5	2648	55.5	2869
Win 760	50.0	2616	54.5	2804
H414	51.0	2655	55.0	2818
IMR 4350	53.0	2627	57.5 °	2845
H4350	52.0	2651	55.5	2825
RL 19	55.5	2644	60.0 °	2859



168-grain TSX BT / TAC-X BT
Sectional Density .253
Ballistic Coefficient .404
C.O.A.L 3.218"

Suggested Bullet Use



168-grain TTSX BT / TAC-TX BT
Sectional Density .253
Ballistic Coefficient .470
C.O.A.L 3.240"

Suggested Bullet Use



30-06 Springfield



175-grain LRX BT
 Sectional Density .264
 Ballistic Coefficient .508
 C.O.A.L 3.300"

Suggested Bullet Use



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
*IMR 4064	43.1	2417	47.9	2666
Big Game	48.8	2503	54.2	2733
A-2700	46.8	2467	52.0	2694
Win 760	46.4	2372	51.5	2673
RL 17	48.8	2495	54.2 °	2762
H4350	49.7	2434	55.2 °	2713
Hybrid 100V	49.2	2507	54.6 °	2764
RL 19	53.2	2507	59.1 °	2784
Superformance	52.3	2588	58.1 °	2827
PowerPro 4000MR	53.0	2541	58.9 °	2776

Recommended Twist: 1:11" or faster



175-grain Match Burner
 Sectional Density .264
 Ballistic Coefficient .521
 C.O.A.L 3.310"

Suggested Bullet Use



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
IMR 4064	43.7	2481	48.5	2712
Big Game	48.2	2507	53.5	2746
A-2700	48.7	2464	54.2	2728
IMR 4007SSC	48.5	2473	53.9	2736
Win 760	49.4	2473	54.9	2719
RL 17	49.3	2499	54.8	2796
H4350	50.6	2480	56.2	2745
*Hybrid 100V	49.1	2529	54.6 °	2754
Superformance	54.1	2525	60.1 °	2830
PowerPro 4000MR	52.6	2532	58.4 °	2789

30-06 Springfield



180-grain TSX BT
Sectional Density .271
Ballistic Coefficient .453
C.O.A.L 3.218"

Suggested Bullet Use



180-grain TTSX BT
Sectional Density .271
Ballistic Coefficient .484
C.O.A.L 3.240"



200-grain TSX FB
Sectional Density .301
Ballistic Coefficient .423
C.O.A.L 3.218 "

Suggested Bullet Use



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
H4895	40.9	2320	45.4	2555
IMR 4064	42.9	2336	47.6	2612
IMR 4320	43.1	2319	47.9	2570
Big Game	49.1	2495	54.6 °	2697
RL 17	49.1	2439	54.6 °	2712
*Superformance	51.5	2504	57.2 °	2774
PowerPro 4000MR	51.4	2433	57.1 °	2712

Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
IMR 4064	41.0	2197	46.0	2423
IMR 4320	42.5	2194	47.0	2422
A-2700	46.0	2247	51.5	2470
Big Game	46.0	2293	51.0	2495
*RL 15	40.0	2211	44.0	2399
Win 760	45.0	2298	49.0	2492
H414	45.0	2268	49.0	2477
IMR 4350	49.0	2301	52.0°	2435
H4350	46.5	2277	51.0	2468
Hunter	51.0	2360	57.0°	2556

Recommended Twist: 1:10" or faster

30-06 Springfield



200-grain LRX BT
Sectional Density .301
Ballistic Coefficient .546
C.O.A.L 3.340"

Suggested Bullet Use



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
IMR 4064	39.6	2149	44.0	2359
Big Game	45.0	2272	50.0	2468
RL 15	38.1	2121	42.3	2339
A-2700	43.8	2230	48.7	2445
Win 760	43.7	2199	48.5	2432
RL 17	46.0	2280	51.1	2521
*H4350	46.5	2252	51.7	2470
Hunter	50.4	2279	56.0 °	2518
Superformance	48.3	2334	53.7	2569
PowerPro 4000MR	49.4	2315	54.9 °	2540

Recommended Twist:: 1:10" or faster



30-06 Springfield

.308"	30
Weight (grains)	100
Ballistic Coefficient	0.144
Sectional Density	0.151
COAL Tested	2.935"
Speer Part No.	1805

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
IMR 3031	Winchester	CCI 200	53.0	3251	57.0	3510
IMR 4064	Winchester	CCI 200	55.0	3202	59.0	3450
Hodgdon H335	Winchester	CCI 250	54.0	3147	58.0	3383
Winchester 748	Winchester	CCI 250	56.0	3166	60.0	3369
IMR 4895	Winchester	CCI 200	51.0	3073	55.0	3323
IMR 4320	Winchester	CCI 200	54.0	3044	58.0	3289
Hodgdon H322	Winchester	CCI 200	48.0	2985	52.0	3268
Alliant Reloder 7	Winchester	CCI 200	43.0	2875	47.0	3239
IMR SR 4759 (reduced load)	Winchester	CCI 200	16.0	1545	20.0	1969

.308"	30
Weight (grains)	110
Ballistic Coefficient	0.179
Sectional Density	0.166
COAL Tested	2.915"
Speer Part No.	1846

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Winchester 748	Winchester	CCI 250	58.0	3201	62.0 C	3414
Alliant Reloder 15	Winchester	CCI 200	56.0	3124	60.0 C	3363
Accurate 2460	Winchester	CCI 250	51.0	3129	55.0	3349
Accurate 2520	Winchester	CCI 250	52.0	3144	56.0	3343
Hodgdon Varget	Winchester	CCI 200	55.0	3063	59.0 C	3312
IMR 4064	Winchester	CCI 200	54.0	2965	58.0	3264
Vihavuori N135	Winchester	CCI 200	51.0	3047	55.0	3258
Accurate 2495	Winchester	CCI 200	51.0	2950	55.0	3218
IMR 4320	Winchester	CCI 200	53.0	2931	57.0	3135
IMR 4895	Winchester	CCI 200	50.5	2908	54.5	3127
Hodgdon H4895	Winchester	CCI 200	49.0	2855	53.0	3123
Hodgdon BL-C(2)	Winchester	CCI 250	51.0	2815	55.0	3096
Hodgdon H322	Winchester	CCI 200	46.0	2789	50.0	2941
Accurate XMR 5744 (reduced load)	Winchester	CCI 200	26.0	1965	27.0	2044

.308"	30
Weight (grains)	Varminter HP
Ballistic Coefficient	110
Sectional Density	0.128
COAL Tested	0.166
Speer Part No.	2.870"
	1835

NOTE: This bullet not intended for velocities in excess of 2900 fps.

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Winchester 760	Winchester	CCI 250	52.0	2682	56.0	2904
Winchester 748	Winchester	CCI 250	44.5	2631	48.5	2888
IMR 4350	Winchester	CCI 200	54.0	2651	58.0	2873
IMR 3031	Winchester	CCI 200	42.5	2601	46.5	2871
IMR 4895	Winchester	CCI 200	44.0	2588	48.0	2847
Alliant Reloder 7	Winchester	CCI 200	38.0	2541	42.0	2836
Hodgdon H322	Winchester	CCI 200	41.0	2530	45.0	2769
Hodgdon BL-C(2)	Winchester	CCI 250	48.0	2537	52.0	2766
IMR 4227 (reduced load)	Winchester	CCI 200	29.0	2316	31.0	2500

.30	30
Weight (grains)	TNT® HP
Ballistic Coefficient	125
Sectional Density	0.341
COAL Tested	0.188
Speer Part No.	3.100"
	1986

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Alliant AR-Comp	Federal	Federal 210	48.6	3037	53.7	3261
Alliant Power Pro Varmint	Federal	Federal 210	48.4	2984	53.6	3228
IMR 8208 XBR	Federal	Federal 210	48.4	3048	52.6	3222
Alliant Reloder 10X	Federal	Federal 210	46.3	2959	51.3	3210
Accurate 2460	Winchester	CCI 250	49.0	2974	53.0	3178
IMR 3031	Winchester	CCI 200	50.0	2862	54.0	3167
Vihtavuori N135	Winchester	CCI 200	49.0	2844	53.0	3116
Accurate 2015	Winchester	CCI 200	46.0	2905	50.0	3111
Hodgdon BL-C(2)	Winchester	CCI 250	51.0	2874	55.0	3106
Accurate 2495	Winchester	CCI 200	50.0	2876	54.0	3105
Accurate 2230	Winchester	CCI 200	47.0	2887	51.0	3103
Hodgdon H335	Winchester	CCI 250	51.0	2872	55.0	3093
Accurate 2520	Winchester	CCI 250	48.0	2867	52.0	3085
Hodgdon Varget	Winchester	CCI 200	51.5	2763	55.5	3037
Hodgdon H4895	Winchester	CCI 200	47.0	2741	51.0	3025
Alliant Power Pro 1200-R	Federal	Federal 210	38.5	2812	42.5	3025
IMR 4320	Winchester	CCI 200	51.0	2762	55.0	3011
IMR 4895	Winchester	CCI 200	48.0	2777	52.0	3002
Hodgdon H322	Winchester	CCI 200	44.0	2720	48.0	2916

.308"	30 HP	30 SPFN Hot- Cor®
Weight (grains)	130	130
Ballistic Coefficient	0.244	0.212
Sectional Density	0.196	0.196
COAL Tested	3.060"	3.045"
Speer Part No.	2005	2007

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Alliant Power Pro 2000-MR	Federal	Federal 210	51.2	2928	56.6	3192
Alliant Reloder 15	Federal	Federal 210	49.5	2862	54.7	3165
Alliant AR-Comp	Federal	Federal 210	46.5	2915	51.4	3149
IMR 8208 XBR	Federal	Federal 210	45.5	2905	50.6	3120
Alliant Power Pro Varmint	Federal	Federal 210	44.6	2841	49.3	3064
Accurate 2460	Winchester	CCI 250	47.5	2805	51.0	3031
IMR 4064	Winchester	CCI 200	51.0	2802	55.0	3022
Hodgdon H414	Winchester	CCI 250	56.0	2787	60.0	3012
Hodgdon Varget	Winchester	CCI 200	51.0	2771	55.0	3006
Accurate 2015	Winchester	CCI 200	45.0	2803	49.0	3004
IMR 3031	Winchester	CCI 200	48.5	2678	52.5	3003
Hodgdon H335	Winchester	CCI 250	50.0	2758	54.0	2979
IMR 4895	Winchester	CCI 200	47.5	2728	51.5	2937
Winchester 748	Winchester	CCI 250	51.0	2728	55.0	2910
Hodgdon BL-C(2)	Winchester	CCI 250	49.0	2699	53.0	2894
Vihtavuori N140	Winchester	CCI 200	48.0	2671	52.0	2868
Hodgdon H4895	Winchester	CCI 200	45.0	2654	49.0	2764
Hodgdon H322	Winchester	CCI 200	43.0	2546	47.0	2757
Accurate 5744 (reduced load)	Winchester	CCI 200	25.0	1819	27.0	1949

.308"	30 SPFN Hot-Cor®	30 Spitzer BTSP	30 Spitzer SP Hot-Cor®	30 Grand Slam® SP/CANN
Weight (grains)	150	150	150	150
Ballistic Coefficient	0.255	0.417	0.377	0.295
Sectional Density	0.226	0.226	0.226	0.226
COAL Tested	3.045"	3.250"	3.250"	3.160"
Speer Part No.	2011	2022	2023	2026

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Alliant Reloder 16	Federal	Federal 210	53.3	2754	59.0 C	3013
Alliant Reloder 17	Federal	Federal 210	51.7	2716	56.7	2958
IMR 4451	Federal	Federal 210	54.5	2700	60.4 C	2933
Alliant Power Pro 2000-MR	Federal	Federal 210	46.6	2685	51.4	2906
Hodgdon H380	Winchester	CCI 250	54.0	2690	58.0	2885
IMR 4350	Winchester	CCI 200	55.0	2620	59.0	2872
Vihtavuori N540	Winchester	CCI 200	45.0	2664	49.0	2867
Alliant AR-Comp	Federal	Federal 210	42.6	2656	47.1	2859
Hodgdon H414	Winchester	CCI 250	54.0	2633	58.0	2840
Hodgdon Varget	Winchester	CCI 200	49.0	2587	53.0	2817
Winchester 760	Winchester	CCI 250	53.0	2558	57.0	2814
Hodgdon H4350	Winchester	CCI 200	55.0	2541	59.0 C	2800
IMR 4064	Winchester	CCI 200	48.0	2547	52.0	2772
Alliant Reloder 15	Winchester	CCI 200	48.0	2550	52.0	2762
IMR 4895	Winchester	CCI 200	45.5	2543	49.5	2756
Alliant Reloder 19	Winchester	CCI 200	58.0	2548	62.0 C	2756
Accurate 2460	Winchester	CCI 250	44.0	2585	48.0	2750
Hodgdon H4895	Winchester	CCI 200	42.0	2451	46.0	2601
Accurate 5744 (reduced load)	Winchester	CCI 200	26.0	1941	28.0	2064

.308"	30 Spitzer BTSP	30 Spitzer SP Hot-Cor®	30 Grand Slam® SP/CANN
Weight (grains)	165	165	165
Ballistic Coefficient	0.520	0.444	0.354
Sectional Density	0.248	0.248	0.248
COAL Tested	3.250"	3.250"	3.165"
Speer Part No.	2034	2035	2038

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Ramshot Hunter	Federal	Federal 210	57.4	2803	63.4 C	2974
Alliant Power Pro 4000-MR	Federal	Federal 210	54.8	2705	60.8 C	2943
Alliant Reloder 16	Federal	Federal 210	52.0	2733	57.0 C	2936
Alliant Reloder 17	Federal	Federal 210	51.9	2878	56.5	2879
Accurate 4350	Federal	Federal 210	53.6	2622	59.5 C	2870
Alliant Power Pro 2000-MR	Federal	Federal 210	47.2	2628	52.2	2851
Winchester 760	Winchester	CCI 250	53.0	2631	57.0	2840
Hodgdon H4831SC	Winchester	CCI 200	60.0	2534	62.0 C	2808
IMR 4350	Winchester	CCI 200	54.0	2501	58.0	2782
Vihtavuori N540	Winchester	CCI 200	43.0	2588	47.0	2774
Alliant Reloder 22	Winchester	CCI 200	58.0	2530	62.0 C	2759
Hodgdon H4350	Winchester	CCI 200	54.0	2489	58.0 C	2758
Hodgdon H414	Winchester	CCI 250	52.0	2520	56.0	2757
Hodgdon H380	Winchester	CCI 250	51.0	2544	55.0	2740
Hodgdon Varget	Winchester	CCI 200	46.0	2462	50.0	2703
IMR 4831	Winchester	CCI 200	55.0	2442	59.0	2702
Vihtavuori N140	Winchester	CCI 200	46.0	2490	50.0	2695
IMR 4064	Winchester	CCI 200	46.5	2433	50.5	2671
Alliant Reloder 19	Winchester	CCI 200	55.0	2372	59.0 C	2644
Accurate 2520	Winchester	CCI 250	42.0	2354	46.0	2624
IMR SR 4759 (reduced load)	Winchester	CCI 200	21.0	1615	25.0	1949

.308"	30 Match BTHP
Weight (grains)	168
Ballistic Coefficient	0.534
Sectional Density	0.253
COAL Tested	3.295"
Speer Part No.	2040

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Alliant Reloder 16	Federal	Federal 210	52.9	2725	58.6 C	2952
Alliant Reloder 17	Federal	Federal 210	51.0	2626	56.7	2888
Vihtavuori N160	Winchester	CCI 200	57.0	2610	61.0	2863
IMR 4451	Federal	Federal 210	52.3	2633	58.1 C	2857
Hodgdon H4350	Winchester	CCI 200	56.0	2591	60.0 C	2831
IMR 4350	Winchester	CCI 200	55.0	2586	59.0	2818
Alliant AR-Comp	Federal	Federal 210	43.1	2590	47.7	2787
†Hodgdon H380	Winchester	CCI 250	51.0	2479	55.0	2770
IMR 7828	Winchester	CCI 250	58.0	2575	62.0	2739
Alliant Reloder 19	Winchester	CCI 200	57.0	2489	61.0 C	2730
Hodgdon H4831	Winchester	CCI 250	57.0	2450	61.0 C	2693
IMR 4831	Winchester	CCI 250	56.0	2398	60.0	2664
Hodgdon H414	Winchester	CCI 250	50.0	2453	54.0	2664
Winchester 760	Winchester	CCI 250	50.0	2411	54.0	2658
†IMR 4895	Winchester	CCI 200	44.0	2461	48.0	2635
†IMR 4064	Winchester	CCI 200	45.0	2389	49.0	2577

†—denotes propellant suitable for gas-operated semi-auto match rifles

.308"	30 Spitzer BTSP	30 Spitzer SP Hot- Cor®	30 Grand Slam® SP/CANN
Weight (grains)	180	180	180
Ballistic Coefficient	0.545	0.441	0.374
Sectional Density	0.271	0.271	0.271
COAL Tested	3.250"	3.160"	3.160"
Speer Part No.	2052	2053	2063

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Ramshot Hunter	Federal	Federal 210	54.1	2502	59.2 C	2797
Hodgdon H4350	Winchester	CCI 200	54.0	2671	58.0 C	2791
IMR 4064	Winchester	CCI 200	46.0	2612	50.0	2791
Alliant Reloder 16	Federal	Federal 210	49.8	2545	55.2 C	2770
Alliant Reloder 23	Federal	Federal 210	53.2	2503	59.9 C	2769
Alliant Power Pro 4000-MR	Federal	Federal 210	51.4	2552	57.1 C	2764
Alliant Reloder 22	Winchester	CCI 200	58.0	2648	62.0 C	2755
Hodgdon H4831SC	Winchester	CCI 200	60.0	2610	62.0 C	2753
Alliant Reloder 17	Federal	Federal 210	49.0	2522	54.4	2732
IMR 4831	Winchester	CCI 200	55.0	2572	59.0 C	2716
Winchester 760	Winchester	CCI 250	51.0	2567	55.0	2709
Hodgdon H414	Winchester	CCI 250	51.0	2573	55.0	2705
Alliant Reloder 19	Winchester	CCI 200	55.0	2483	59.0 C	2671
IMR 4350	Winchester	CCI 200	52.0	2523	56.0 C	2670
Alliant Power Pro 2000-MR	Federal	Federal 210	45.0	2445	49.8	2666
Accurate 4350	Winchester	CCI 200	53.0	2469	57.0 C	2645
Vihtavuori N160	Winchester	CCI 200	52.0	2351	56.0	2584
Alliant Reloder 15	Winchester	CCI 200	45.0	2434	49.0	2579
IMR 4895	Winchester	CCI 200	43.0	2387	47.0	2564
IMR 4198 (reduced load)	Winchester	CCI 200	26.0	1725	30.0	2010



TAKE AIM AT RIFLE RELOADING DATA

CARTRIDGE

30-06

Twist: 1:10.000"

Barrel Length: 24.000"

Trim Length: 2.484"

BULLET WEIGHT
168 GR. BAR TTSX BT
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.300"	48.5	2,557	53,600 PSI	53.9	2,817	59,500 PSI
Accurate	4064	0.308"	3.300"	45.9	2,523	54,000 PSI	51.0	2,790	60,000 PSI
Accurate	4350	0.308"	3.300"	49.6	2,407	47,000 PSI	55.1	2,697	52,300 PSI

Starting Load						Maximum Loads			
Ramshot	Big Game	0.308"	3.300"	50.6	2,648	53,700 PSI	56.2	2,870	59,700 PSI
Ramshot	Hunter	0.308"	3.300"	55.5	2,661	50,600 PSI	61.6	2,902	56,300 PSI

BULLET WEIGHT
168 GR. BER VLD
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load						Maximum Loads			
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.330"	50.9	2,642	53,100 PSI	56.6	2,885	59,000 PSI
Accurate	4064	0.308"	3.330"	46.4	2,610	53,200 PSI	51.5	2,840	59,100 PSI
Accurate	4350	0.308"	3.330"	53.6	2,589	49,900 PSI	59.5	2,874	55,500 PSI
Ramshot	Big Game	0.308"	3.330"	49.7	2,666	53,900 PSI	55.3	2,881	59,900 PSI
Ramshot	Hunter	0.308"	3.330"	54.8	2,721	53,500 PSI	60.9	2,964	59,400 PSI

BULLET WEIGHT
168 GR. HDY A-MAX
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.330"	50.0	2,575	53,800 PSI	55.5	2,835	59,800 PSI
Accurate	4064	0.308"	3.330"	46.1	2,576	53,500 PSI	51.2	2,816	59,400 PSI
Accurate	4350	0.308"	3.330"	53.4	2,562	49,700 PSI	59.3	2,855	55,200 PSI
Ramshot	Big Game	0.308"	3.330"	49.0	2,629	53,400 PSI	54.4	2,845	59,400 PSI
Ramshot	Hunter	0.308"	3.330"	54.4	2,715	53,700 PSI	60.5	2,945	59,700 PSI

BULLET WEIGHT
168 GR. HDY HPBT
CASE
WINCHESTER
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Hodgdon	Benchmark	0.308"	3.230"	44.0	2,614	42,900 CUP	47.2	2,760	49,400 CUP
Hodgdon	BL-C(2)	0.308"	3.230"	46.0	2,555	39,100 CUP	51.0	2,767	49,200 CUP
Hodgdon	H335	0.308"	3.230"	42.0	2,459	39,900 CUP	46.5	2,656	49,500 CUP
Hodgdon	H380	0.308"	3.230"	51.0	2,648	42,800 CUP	56.5	2,859	49,700 CUP
Hodgdon	H414	0.308"	3.230"	53.0	2,686	40,300 CUP	56.5	2,839	49,700 CUP
Hodgdon	H4350	0.308"	3.230"	55.0	2,695	40,400 CUP	59.0	2,897	48,100 CUP
Hodgdon	H4895	0.308"	3.230"	43.0	2,574	41,200 CUP	47.5	2,789	50,000 CUP
Hodgdon	Hybrid 100V	0.308"	3.230"	52.0	2,645	50,400 PSI	57.0C	2,817	57,400 PSI

Starting Load							Maximum Loads		
Hodgdon	Varget	0.308"	3.230"	47.0	2,710	42,700 CUP	50.5	2,859	49,200 CUP
IMR	IMR 4064	0.308"	3.230"	47.0	2,660	46,800 PSI	50.8	2,850	57,900 PSI
IMR	IMR 4166	0.308"	3.230"	44.7	2,610	49,200 PSI	48.6	2,794	59,200 PSI
IMR	IMR 4320	0.308"	3.230"	46.0	2,646	48,900 PSI	49.7	2,816	58,400 PSI
IMR	IMR 4350	0.308"	3.230"	54.0	2,720	48,500 PSI	58.0C	2,903	57,800 PSI
IMR	IMR 4451	0.308"	3.230"	52.7	2,646	50,200 PSI	56.7	2,837	59,300 PSI
IMR	IMR 4895	0.308"	3.230"	48.0	2,719	49,900 PSI	51.2	2,859	58,200 PSI
IMR	IMR 8208 XBR	0.308"	3.230"	45.1	2,661	54,800 PSI	48.0	2,748	58,700 PSI
Winchester	760	0.308"	3.230"	53.0	2,686	40,300 CUP	56.5	2,839	49,700 CUP
Winchester	StaBALL 6.5	0.308"	3.230"	54.0	2,703	47,900 PSI	58.1	2,903	58,900 PSI

BULLET WEIGHT
168 GR. NOS E-TIP
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.330"	49.7	2,581	53,400 PSI	55.2	2,815	59,300 PSI
Accurate	4064	0.308"	3.330"	45.2	2,517	53,500 PSI	50.2	2,763	59,500 PSI
Accurate	4350	0.308"	3.330"	51.8	2,546	51,500 PSI	57.6	2,834	57,300 PSI
Ramshot	Big Game	0.308"	3.330"	49.5	2,606	53,800 PSI	55.0	2,844	59,800 PSI
Ramshot	Hunter	0.308"	3.330"	54.2	2,680	53,200 PSI	60.3	2,924	59,100 PSI

BULLET WEIGHT
168 GR. NOS HPBT
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.330"	51.6	2,630	53,400 PSI	57.3	2,873	59,300 PSI
Accurate	4064	0.308"	3.330"	47.4	2,627	53,500 PSI	52.7	2,863	59,500 PSI
Accurate	4350	0.308"	3.330"	54.5	2,603	49,900 PSI	60.5	2,875	55,400 PSI
Ramshot	Big Game	0.308"	3.330"	49.0	2,637	53,800 PSI	54.4	2,844	59,800 PSI
Ramshot	Hunter	0.308"	3.330"	54.2	2,702	53,200 PSI	60.2	2,935	59,200 PSI

BULLET WEIGHT
168 GR. SIE HPBT
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.285"	50.1	2,623	53,400 PSI	55.6	2,855	59,400 PSI
Accurate	4064	0.308"	3.285"	46.4	2,617	53,700 PSI	51.6	2,840	59,700 PSI
Accurate	4350	0.308"	3.285"	53.1	2,596	50,200 PSI	59.0	2,866	55,800 PSI
Ramshot	Big Game	0.308"	3.285"	49.1	2,644	53,500 PSI	54.6	2,858	59,500 PSI
Ramshot	Hunter	0.308"	3.285"	53.6	2,695	53,400 PSI	59.5	2,931	59,300 PSI



TAKE AIM AT RIFLE RELOADING DATA

CARTRIDGE

30-06

Twist: 1:10.000"

Barrel Length: 24.000"

Trim Length: 2.484"

BULLET WEIGHT
168 GR. BAR TTSX BT
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Starting Load		Grs.	Maximum Loads	
					Vel. (ft/s)	Pressure		Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.300"	48.5	2,557	53,600 PSI	53.9	2,817	59,500 PSI
Accurate	4064	0.308"	3.300"	45.9	2,523	54,000 PSI	51.0	2,790	60,000 PSI
Accurate	4350	0.308"	3.300"	49.6	2,407	47,000 PSI	55.1	2,697	52,300 PSI

Starting Load						Maximum Loads			
Ramshot	Big Game	0.308"	3.300"	50.6	2,648	53,700 PSI	56.2	2,870	59,700 PSI
Ramshot	Hunter	0.308"	3.300"	55.5	2,661	50,600 PSI	61.6	2,902	56,300 PSI

BULLET WEIGHT
168 GR. BER VLD
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load						Maximum Loads			
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.330"	50.9	2,642	53,100 PSI	56.6	2,885	59,000 PSI
Accurate	4064	0.308"	3.330"	46.4	2,610	53,200 PSI	51.5	2,840	59,100 PSI
Accurate	4350	0.308"	3.330"	53.6	2,589	49,900 PSI	59.5	2,874	55,500 PSI
Ramshot	Big Game	0.308"	3.330"	49.7	2,666	53,900 PSI	55.3	2,881	59,900 PSI
Ramshot	Hunter	0.308"	3.330"	54.8	2,721	53,500 PSI	60.9	2,964	59,400 PSI

BULLET WEIGHT
168 GR. HDY A-MAX
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.330"	50.0	2,575	53,800 PSI	55.5	2,835	59,800 PSI
Accurate	4064	0.308"	3.330"	46.1	2,576	53,500 PSI	51.2	2,816	59,400 PSI
Accurate	4350	0.308"	3.330"	53.4	2,562	49,700 PSI	59.3	2,855	55,200 PSI
Ramshot	Big Game	0.308"	3.330"	49.0	2,629	53,400 PSI	54.4	2,845	59,400 PSI
Ramshot	Hunter	0.308"	3.330"	54.4	2,715	53,700 PSI	60.5	2,945	59,700 PSI

BULLET WEIGHT
168 GR. HDY HPBT
CASE
WINCHESTER
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Hodgdon	Benchmark	0.308"	3.230"	44.0	2,614	42,900 CUP	47.2	2,760	49,400 CUP
Hodgdon	BL-C(2)	0.308"	3.230"	46.0	2,555	39,100 CUP	51.0	2,767	49,200 CUP
Hodgdon	H335	0.308"	3.230"	42.0	2,459	39,900 CUP	46.5	2,656	49,500 CUP
Hodgdon	H380	0.308"	3.230"	51.0	2,648	42,800 CUP	56.5	2,859	49,700 CUP
Hodgdon	H414	0.308"	3.230"	53.0	2,686	40,300 CUP	56.5	2,839	49,700 CUP
Hodgdon	H4350	0.308"	3.230"	55.0	2,695	40,400 CUP	59.0	2,897	48,100 CUP
Hodgdon	H4895	0.308"	3.230"	43.0	2,574	41,200 CUP	47.5	2,789	50,000 CUP
Hodgdon	Hybrid 100V	0.308"	3.230"	52.0	2,645	50,400 PSI	57.0C	2,817	57,400 PSI

Starting Load							Maximum Loads		
Hodgdon	Varget	0.308"	3.230"	47.0	2,710	42,700 CUP	50.5	2,859	49,200 CUP
IMR	IMR 4064	0.308"	3.230"	47.0	2,660	46,800 PSI	50.8	2,850	57,900 PSI
IMR	IMR 4166	0.308"	3.230"	44.7	2,610	49,200 PSI	48.6	2,794	59,200 PSI
IMR	IMR 4320	0.308"	3.230"	46.0	2,646	48,900 PSI	49.7	2,816	58,400 PSI
IMR	IMR 4350	0.308"	3.230"	54.0	2,720	48,500 PSI	58.0C	2,903	57,800 PSI
IMR	IMR 4451	0.308"	3.230"	52.7	2,646	50,200 PSI	56.7	2,837	59,300 PSI
IMR	IMR 4895	0.308"	3.230"	48.0	2,719	49,900 PSI	51.2	2,859	58,200 PSI
IMR	IMR 8208 XBR	0.308"	3.230"	45.1	2,661	54,800 PSI	48.0	2,748	58,700 PSI
Winchester	760	0.308"	3.230"	53.0	2,686	40,300 CUP	56.5	2,839	49,700 CUP
Winchester	StaBALL 6.5	0.308"	3.230"	54.0	2,703	47,900 PSI	58.1	2,903	58,900 PSI

BULLET WEIGHT
168 GR. NOS E-TIP
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.330"	49.7	2,581	53,400 PSI	55.2	2,815	59,300 PSI
Accurate	4064	0.308"	3.330"	45.2	2,517	53,500 PSI	50.2	2,763	59,500 PSI
Accurate	4350	0.308"	3.330"	51.8	2,546	51,500 PSI	57.6	2,834	57,300 PSI
Ramshot	Big Game	0.308"	3.330"	49.5	2,606	53,800 PSI	55.0	2,844	59,800 PSI
Ramshot	Hunter	0.308"	3.330"	54.2	2,680	53,200 PSI	60.3	2,924	59,100 PSI

BULLET WEIGHT
168 GR. NOS HPBT
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.330"	51.6	2,630	53,400 PSI	57.3	2,873	59,300 PSI
Accurate	4064	0.308"	3.330"	47.4	2,627	53,500 PSI	52.7	2,863	59,500 PSI
Accurate	4350	0.308"	3.330"	54.5	2,603	49,900 PSI	60.5	2,875	55,400 PSI
Ramshot	Big Game	0.308"	3.330"	49.0	2,637	53,800 PSI	54.4	2,844	59,800 PSI
Ramshot	Hunter	0.308"	3.330"	54.2	2,702	53,200 PSI	60.2	2,935	59,200 PSI

BULLET WEIGHT
168 GR. SIE HPBT
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.285"	50.1	2,623	53,400 PSI	55.6	2,855	59,400 PSI
Accurate	4064	0.308"	3.285"	46.4	2,617	53,700 PSI	51.6	2,840	59,700 PSI
Accurate	4350	0.308"	3.285"	53.1	2,596	50,200 PSI	59.0	2,866	55,800 PSI
Ramshot	Big Game	0.308"	3.285"	49.1	2,644	53,500 PSI	54.6	2,858	59,500 PSI
Ramshot	Hunter	0.308"	3.285"	53.6	2,695	53,400 PSI	59.5	2,931	59,300 PSI

BULLET WEIGHT
180 GR. BAR TSX BT
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.218"	48.3	2,519	53,100 PSI	53.7	2,768	59,000 PSI
Accurate	4064	0.308"	3.218"	45.6	2,510	53,300 PSI	50.7	2,743	59,300 PSI
Accurate	4350	0.308"	3.218"	50.1	2,446	46,000 PSI	55.7	2,685	51,100 PSI
Ramshot	Big Game	0.308"	3.218"	51.2	2,634	53,500 PSI	56.9	2,842	59,500 PSI
Ramshot	Hunter	0.308"	3.218"	54.4	2,615	49,500 PSI	60.4	2,838	55,000 PSI

BULLET WEIGHT
180 GR. HDY SST
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.220"	48.4	2,520	53,400 PSI	53.8	2,761	59,300 PSI
Accurate	4064	0.308"	3.220"	45.2	2,491	53,500 PSI	50.3	2,723	59,400 PSI
Accurate	4350	0.308"	3.220"	50.3	2,407	46,500 PSI	55.9	2,678	51,700 PSI
Ramshot	Big Game	0.308"	3.220"	48.8	2,557	53,600 PSI	54.2	2,768	59,600 PSI
Ramshot	Hunter	0.308"	3.220"	54.5	2,650	53,100 PSI	60.5	2,869	59,000 PSI

BULLET WEIGHT
180 GR. NOS BT
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Ramshot	Hunter	0.308"	3.340"	51.0	2,513	51,100 PSI	59.4	2,820	59,400 PSI

BULLET WEIGHT
180 GR. NOS E-TIP
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load							Maximum Loads		
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.340"	47.5	2,467	53,500 PSI	52.7	2,710	59,400 PSI

Starting Load						Maximum Loads			
Accurate	4064	0.308"	3.340"	44.9	2,453	53,700 PSI	49.9	2,697	59,600 PSI
Accurate	4350	0.308"	3.340"	49.9	2,425	46,800 PSI	55.5	2,643	52,000 PSI
Ramshot	Big Game	0.308"	3.340"	47.1	2,464	53,300 PSI	52.3	2,701	59,200 PSI
Ramshot	Hunter	0.308"	3.340"	52.3	2,588	53,500 PSI	58.1	2,821	59,500 PSI

BULLET WEIGHT
180 GR. SIE HPBT
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load						Maximum Loads			
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.305"	48.3	2,517	53,400 PSI	53.7	2,740	59,400 PSI
Accurate	4064	0.308"	3.305"	44.0	2,476	53,400 PSI	48.9	2,688	59,300 PSI
Accurate	4350	0.308"	3.305"	51.8	2,533	53,700 PSI	57.6	2,796	59,600 PSI

Starting Load						Maximum Loads			
Ramshot	Big Game	0.308"	3.305"	47.7	2,533	53,800 PSI	53.0	2,736	59,800 PSI
Ramshot	Hunter	0.308"	3.305"	52.6	2,596	53,500 PSI	58.5	2,824	59,500 PSI

BULLET WEIGHT
180 GR. SIE SBT
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load						Maximum Loads			
Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Ramshot	Hunter	0.308"	3.335"	51.6	2,527	51,100 PSI	60.0	2,852	59,500 PSI

BULLET WEIGHT
180 GR. SIE SPBT
CASE
WINCHESTER
PRIMER
WINCHESTER LR, LARGE RIFLE

Loads

Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Hodgdon	Benchmark	0.308"	3.300"	43.0	2,550	45,600 CUP	46.0	2,660	49,000 CUP
Hodgdon	BL-C(2)	0.308"	3.300"	44.0	2,456	39,200 CUP	48.5	2,634	48,100 CUP
Hodgdon	H335	0.308"	3.300"	42.0	2,455	41,900 CUP	46.0	2,621	49,200 CUP
Hodgdon	H380	0.308"	3.300"	48.0	2,490	39,900 CUP	53.0	2,682	48,700 CUP
Hodgdon	H414	0.308"	3.300"	50.0	2,528	39,200 CUP	55.5	2,743	48,700 CUP
Hodgdon	H4350	0.308"	3.300"	52.0	2,543	37,800 CUP	57.5	2,798	49,300 CUP
Hodgdon	H4831	0.308"	3.300"	54.0	2,447	34,700 CUP	60.0C	2,710	44,300 CUP
Hodgdon	H4895	0.308"	3.300"	41.0	2,427	38,100 CUP	46.0	2,638	48,800 CUP
Hodgdon	Hybrid 100V	0.308"	3.300"	53.0	2,585	47,000 PSI	57.0C	2,742	55,200 PSI
Hodgdon	Suprform	0.308"	3.300"	54.0	2,628	46,200 PSI	59.7	2,840	57,600 PSI
Hodgdon	Varget	0.308"	3.300"	44.0	2,533	41,900 CUP	47.0	2,668	50,000 CUP
IMR	IMR 4064	0.308"	3.300"	45.5	2,550	48,900 PSI	48.7	2,700	58,200 PSI
IMR	IMR 4166	0.308"	3.300"	45.5	2,575	50,800 PSI	48.8	2,724	58,800 PSI

IMR	IMR 4320	0.308"	3.300"	45.0	2,525	49,900 PSI	47.8	2,661	58,000 PSI
IMR	IMR 4350	0.308"	3.300"	53.0	2,586	48,300 PSI	56.5C	2,752	57,200 PSI
IMR	IMR 4451	0.308"	3.300"	51.7	2,574	50,900 PSI	55.6	2,752	59,600 PSI
IMR	IMR 4831	0.308"	3.300"	53.0	2,563	47,300 PSI	56.8C	2,749	57,100 PSI
IMR	IMR 4895	0.308"	3.300"	45.0	2,555	49,500 PSI	48.0	2,680	56,800 PSI
IMR	IMR 4955	0.308"	3.300"	56.7	2,635	50,200 PSI	61.0C	2,828	60,000 PSI
IMR	IMR 7977	0.308"	3.300"	58.3	2,513	47,700 PSI	62.0C	2,686	56,600 PSI
Winchester	760	0.308"	3.300"	50.0	2,528	39,200 CUP	55.5	2,743	48,700 CUP
Winchester	StaBALL 6.5	0.308"	3.300"	52.6	2,663	49,700 PSI	57.2	2,857	59,600 PSI
Winchester	Supreme 780	0.308"	3.300"	57.3	2,545	47,300 PSI	61.0	2,673	54,100 PSI

BULLET WEIGHT
180 GR. SIE SPT
CASE
REMINGTON
PRIMER
WINCHESTER LR, LARGE RIFLE

Starting Load

Maximum

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Loads

Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.300"	49.7	2,505	53,300 PSI	55.2	2,721	59,200 PSI
Accurate	4064	0.308"	3.300"	45.6	2,489	53,600 PSI	50.7	2,701	59,600 PSI
Accurate	4350	0.308"	3.300"	54.3	2,559	52,200 PSI	60.3	2,797	58,000 PSI
Ramshot	Big Game	0.308"	3.300"	49.0	2,507	53,500 PSI	54.4	2,732	59,400 PSI
Ramshot	Hunter	0.308"	3.300"	53.9	2,600	53,800 PSI	59.9	2,835	59,700 PSI

BULLET WEIGHT

180 GR. SPR GS

CASE

REMINGTON

PRIMER

WINCHESTER LR, LARGE RIFLE

Starting Load
Maximum Loads

Manufacturer	Powder	Bullet Diam.	C.O.L	Grs.	Vel. (ft/s)	Pressure	Grs.	Vel. (ft/s)	Pressure
Accurate	2700	0.308"	3.170"	49.1	2,501	53,000 PSI	54.6	2,730	58,900 PSI
Accurate	4350	0.308"	3.170"	52.7	2,515	50,300 PSI	58.5	2,753	55,800 PSI

Starting Load							Maximum Loads		
Ramshot	Hunter	0.308"	3.170"	54.9	2,642	53,900 PSI	61.0	2,860	59,900 PSI