

30-06 Springfield

Rifle:	Winchester Model 70	Bullet Diameter:	0.308"
Barrel:	23¾", 1 in 10" Twist	Maximum COL:	3.340"
Case:	Hornady/Frontier	Max. Case Length:	2.494"
Primer:	WLR	Case Trim Length:	2.484"

The initial development date of this cartridge was 1903, but the standard dimensions as we know them today were introduced in 1906. This military round was designated the "ball cartridge, caliber .30, Model of 1906," hence the title 30-06. After two World Wars and Korea, the 30-06 Springfield was destined to become the most popular centerfire cartridge ever introduced in America. It is or has been offered in every conceivable type of firearm from lever actions to semi automatics to single shots. It is safe to conclude that this single cartridge has been the most influential cartridge of the 20th century and will continue to hold sway well into the new millennium.

Because of the extremely wide range of bullet weights available for this round, the versatility of the 30-06 is unmatched. It provides adequate power for virtually all North American game with tolerable recoil.

Not all powders listed gave optimum results throughout the range of bullets, mainly because the weights vary by such a large amount (110 grain-225 grain). The 30-06 has the largest variety of suitable powders of the cartridges listed in the Hornady Handbook, which illustrates the efficiency of the cartridge. Best results in our rifle were obtained using VARGET and IMR 4831. H 414 and IMR 4350 also gave very good results, and no powders listed gave less than acceptable results.

110 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:

0.166
0.308"



110 gr. V-MAX®
Item No. 23010
C.O.L.: 3.170"
G1 B.C.: 0.290



110 gr. SP
Item No. 3010
C.O.L.: 3.170"
G1 B.C.: 0.256

VELOCITY (FPS – feet per second)

POWDER	3000	3100	3200	3300	3350	3400
IMR 3031	47.2 gr.	49.4 gr.	51.6 gr.	53.8 gr.	54.9 gr.	
H4895	47.7 gr.	50.6 gr.	53.4 gr.	56.3 gr.	57.7 gr.	59.1 gr.
Accurate 2495	53.0 gr.	54.6 gr.	56.2 gr.			
VARGET	51.4 gr.	53.9 gr.	56.4 gr.	58.9 gr.	60.1 gr.	
IMR 4064	52.7 gr.	54.7 gr.	56.8 gr.	58.8 gr.	59.9 gr.	
Alliant RL-15	54.7 gr.	56.4 gr.	58.0 gr.	59.6 gr.	60.4 gr.	
WIN 760	60.3 gr.	62.0 gr.	63.7 gr.	65.4 gr.		

125 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:

0.188
0.308"



125 gr. SST®
Item No. 3019
C.O.L.: 3.220"
G1 B.C.: 0.305

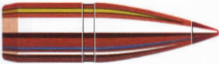
VELOCITY (FPS – feet per second)

POWDER	2700	2800	2900	3000	3100	3200	3300
IMR 3031	41.8 gr.	44.2 gr.	46.5 gr.	48.9 gr.	51.3 gr.	53.6 gr.	
H4895	44.5 gr.	46.6 gr.	48.7 gr.	50.7 gr.	52.8 gr.	54.9 gr.	56.9 gr.
Accurate 2495	47.5 gr.	49.2 gr.	51.0 gr.	52.7 gr.	54.5 gr.		
VARGET	46.0 gr.	48.3 gr.	50.7 gr.	53.1 gr.	55.4 gr.	57.8 gr.	
IMR 4064	48.3 gr.	50.4 gr.	52.5 gr.	54.6 gr.	56.7 gr.	58.7 gr.	
Alliant RL-15	49.7 gr.	51.6 gr.	53.4 gr.	55.3 gr.	57.1 gr.	59.0 gr.	
WIN 760	54.9 gr.	56.9 gr.	58.9 gr.	60.9 gr.	62.9 gr.	64.9 gr.	

125 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:

0.188
0.308"



125 gr. GMX®
Item No. 30190
C.O.L.: 3.250"
G1 B.C.: 0.295

VELOCITY (FPS – feet per second)					
POWDER	2900	3000	3100	3150	3200
IMR 3031	45.5 gr.	47.2 gr.	49.0 gr.		
H4895	46.1 gr.	48.5 gr.	50.8 gr.	52.0 gr.	53.2 gr.
VARGET	50.5 gr.	52.8 gr.	55.1 gr.	56.2 gr.	
IMR 4064	51.0 gr.	53.0 gr.	55.1 gr.	56.2 gr.	57.2 gr.
Alliant RL-15	52.0 gr.	53.9 gr.	55.9 gr.	56.9 gr.	
WIN 760	56.1 gr.	58.8 gr.	61.5 gr.	62.8 gr.	64.2 gr.

130 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:

0.196
0.308"



130 gr. SP
Item No. 3020
C.O.L.: 3.150"
G1 B.C.: 0.295

VELOCITY (FPS – feet per second)						
POWDER	2700	2800	2900	3000	3100	3150
IMR 3031	44.4 gr.	46.4 gr.	48.4 gr.	50.4 gr.	52.4 gr.	
Accurate 2495	46.0 gr.	47.6 gr.	49.2 gr.	50.8 gr.	52.4 gr.	
H4895	44.2 gr.	46.5 gr.	48.8 gr.	51.1 gr.	53.4 gr.	54.6 gr.
VARGET	46.8 gr.	49.0 gr.	51.2 gr.	53.4 gr.	55.6 gr.	
IMR 4064	47.5 gr.	49.8 gr.	52.1 gr.	54.4 gr.	56.7 gr.	
Alliant RL-15	49.6 gr.	51.5 gr.	53.5 gr.	55.4 gr.	57.3 gr.	
WIN 760	55.3 gr.	57.3 gr.	59.3 gr.	61.3 gr.	63.3 gr.	

150-155 GRAIN BULLETS

SECTIONAL DENSITY: 0.226-0.233
DIAMETER: 0.308"



150 gr. GMX®
Item No. 30370
C.O.L.: 3.210"
G1 B.C.: 0.415



150 gr. InterBond®
Item No. 30309
C.O.L.: 3.210"
G1 B.C.: 0.415



150 gr. SST®
Item No. 30302
C.O.L.: 3.210"
G1 B.C.: 0.415



150 gr. FMJ-BT
Item No. 3037
C.O.L.: 3.185"
G1 B.C.: 0.398



150 gr. InterLock® RN
Item No. 3035
C.O.L.: 3.000"
G1 B.C.: 0.186



150 gr. InterLock® BTSP
Item No. 3033
C.O.L.: 3.210"
G1 B.C.: 0.349



150 gr. InterLock® SP
Item No. 3031
C.O.L.: 3.210"
G1 B.C.: 0.338



155 gr. ELD® Match
Item No. 30313
C.O.L.: 3.210"
G1 B.C.: 0.461
G7 B.C.: 0.232



155 gr. A-MAX®
(Discontinued)
Item No. 30312
C.O.L.: 3.210"
G1 B.C.: 0.435



155 gr. BTHP Match™
Item No. 3039
C.O.L.: 3.210"
G1 B.C.: 0.405

VELOCITY (FPS – feet per second)							
POWDER	2500	2600	2700	2800	2900	2950	3000
IMR 4064	44.7 gr.	46.9 gr.	49.1 gr.	51.3 gr.	53.4 gr.	54.5 gr.	55.6 gr.
VARGET	44.9 gr.	47.1 gr.	49.2 gr.	51.4 gr.	53.6 gr.		
VIHT N-140	46.5 gr.	48.2 gr.	49.9 gr.	51.6 gr.	53.3 gr.		
Accurate 2495	45.1 gr.	47.3 gr.	49.6 gr.	51.8 gr.			
Alliant RL-15	47.1 gr.	49.1 gr.	51.0 gr.	52.9 gr.	54.9 gr.	55.8 gr.	
BIG GAME	48.4 gr.	50.9 gr.	53.3 gr.	55.7 gr.	58.2 gr.	59.4 gr.	60.7 gr.
Alliant RL-17	50.9 gr.	52.9 gr.	55.0 gr.	57.0 gr.	59.1 gr.	60.1 gr.	61.1 gr.
WIN 760	51.9 gr.	53.7 gr.	55.5 gr.	57.3 gr.	59.1 gr.	60.0 gr.	
H4350	51.1 gr.	53.5 gr.	55.8 gr.	58.1 gr.	60.4 gr.	61.6 gr.	
NORMA URP	51.9 gr.	54.0 gr.	56.2 gr.	58.3 gr.	60.5 gr.		
IMR 4451	52.0 gr.	54.1 gr.	56.2 gr.	58.3 gr.	60.5 gr.		
SUPERFORMANCE	56.4 gr.	58.1 gr.	59.7 gr.	61.4 gr.			

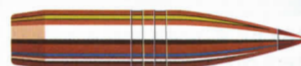
165-168 GRAIN BULLETS

SECTIONAL DENSITY: 0.248-0.253
DIAMETER: 0.308"**165 gr. GMX®**
Item No. 30470
C.O.L.: 3.210"
G1 B.C.: 0.447**165 gr. InterBond®**
Item No. 30459
C.O.L.: 3.210"
G1 B.C.: 0.447**165 gr. SST®**
Item No. 30452
C.O.L.: 3.210"
G1 B.C.: 0.447**165 gr. InterLock® BTSP**
Item No. 3045
C.O.L.: 3.210"
G1 B.C.: 0.435**165 gr. InterLock® SP**
Item No. 3040
C.O.L.: 3.210"
G1 B.C.: 0.387**168 gr. ELD® Match**
Item No. 30506
C.O.L.: 3.220"
G1 B.C.: 0.523
G7 B.C.: 0.263**168 gr. A-MAX®**
Item No. 30502
C.O.L.: 3.220"
G1 B.C.: 0.475**168 gr. BTHP Match™**
Item No. 30501
C.O.L.: 3.220"
G1 B.C.: 0.450

VELOCITY (FPS – feet per second)

POWDER	2400	2500	2600	2700	2800	2900	2950
VARGET	42.2 gr.	44.6 gr.	47.0 gr.	49.3 gr.	51.7 gr.		
IMR 4064	42.4 gr.	44.9 gr.	47.2 gr.	49.6 gr.	51.9 gr.		
Accurate 2495	44.0 gr.	45.9 gr.	47.8 gr.	49.7 gr.			
Alliant RL-15	44.8 gr.	46.7 gr.	48.6 gr.	50.5 gr.	52.4 gr.	54.2 gr.	
BIG GAME	47.8 gr.	49.9 gr.	52.0 gr.	54.1 gr.	56.2 gr.	58.3 gr.	
Hybrid 100V	47.7 gr.	49.9 gr.	52.2 gr.	54.5 gr.	56.8 gr.		
Alliant RL-17	48.9 gr.	50.7 gr.	52.6 gr.	54.5 gr.	56.4 gr.	58.3 gr.	59.2 gr.
NORMA URP	49.7 gr.	51.6 gr.	53.5 gr.	55.5 gr.	57.4 gr.	59.3 gr.	
WIN 760	50.1 gr.	52.0 gr.	53.9 gr.	55.8 gr.	57.6 gr.		
H4350	49.1 gr.	51.5 gr.	53.8 gr.	56.1 gr.	58.5 gr.		
IMR 4451	49.5 gr.	51.7 gr.	53.9 gr.	56.1 gr.	58.4 gr.		
VIHT N-160	52.7 gr.	54.5 gr.	56.4 gr.	58.2 gr.	60.0 gr.		
Power Pro 4000 MR	52.8 gr.	55.0 gr.	57.2 gr.	59.3 gr.			
SUPERFORMANCE	54.3 gr.	56.2 gr.	58.1 gr.	60.0 gr.	61.9 gr.		

176-180 GRAIN BULLETS

SECTIONAL DENSITY: 0.265-0.271
DIAMETER: 0.308"**176 gr. A-Tip® Match**
Item No. 30717
C.O.L.: 3.220"
G1 B.C.: 0.564
G7 B.C.: 0.284**178 gr. BTHP Match™**
Item No. 30715
C.O.L.: 3.220"
G1 B.C.: 0.530**178 gr. ELD® Match**
Item No. 30713
C.O.L.: 3.220"
G1 B.C.: 0.547
G7 B.C.: 0.275**178 gr. ELD-X®**
Item No. 3074
C.O.L.: 3.220"
G1 B.C.: 0.552
G7 B.C.: 0.278**178 gr. A-MAX®**
(Discontinued)
Item No. 30712
C.O.L.: 3.220"
G1 B.C.: 0.495**180 gr. InterBond®**
Item No. 30709
C.O.L.: 3.210"
G1 B.C.: 0.480**180 gr. InterLock® RN**
Item No. 3075
C.O.L.: 3.210"
G1 B.C.: 0.241**180 gr. SST®**
Item No. 30702
C.O.L.: 3.220"
G1 B.C.: 0.480**180 gr. GMX®**
Item No. 30193
C.O.L.: 3.210"
G1 B.C.: 0.485**180 gr. InterLock® BTSP**
Item No. 3072
C.O.L.: 3.225"
G1 B.C.: 0.452**180 gr. InterLock® SP**
Item No. 3070
C.O.L.: 3.225"
G1 B.C.: 0.425

VELOCITY (FPS – feet per second)

POWDER	2300	2400	2500	2600	2650	2700	2750
IMR 4064	43.1 gr.	45.1 gr.	47.0 gr.	49.0 gr.	50.0 gr.		
Alliant RL-15	43.5 gr.	45.5 gr.	47.6 gr.	49.6 gr.			
Power Pro 2000 MR	45.1 gr.	47.0 gr.	48.9 gr.	50.7 gr.	51.7 gr.		
H414	46.1 gr.	48.3 gr.	50.4 gr.	52.6 gr.	53.6 gr.	54.7 gr.	
Alliant RL-17	47.0 gr.	48.9 gr.	50.9 gr.	52.8 gr.	53.7 gr.	54.7 gr.	55.7 gr.
IMR 4007 SSC	47.0 gr.	49.1 gr.	51.2 gr.	53.3 gr.	54.4 gr.	55.4 gr.	56.5 gr.
WIN 760	46.9 gr.	49.1 gr.	51.2 gr.	53.4 gr.	54.5 gr.		
IMR 4451	46.6 gr.	48.9 gr.	51.2 gr.	53.6 gr.	54.7 gr.	55.9 gr.	
H4350	46.5 gr.	49.1 gr.	51.6 gr.	54.1 gr.	55.3 gr.		
NORMA URP	47.7 gr.	49.9 gr.	52.1 gr.	54.2 gr.	55.3 gr.	56.4 gr.	
IMR 4350	48.4 gr.	50.4 gr.	52.3 gr.	54.3 gr.			
Hybrid 100V	48.5 gr.	50.5 gr.	52.4 gr.	54.4 gr.			
SUPERFORMANCE	48.9 gr.	51.2 gr.	53.5 gr.	55.9 gr.	57.0 gr.	58.2 gr.	59.3 gr.
VIHT N-160	49.7 gr.	52.0 gr.	54.2 gr.	56.5 gr.			
Hunter	50.4 gr.	52.7 gr.	55.1 gr.	57.5 gr.	58.7 gr.	59.9 gr.	
Alliant RL-19	52.9 gr.	55.1 gr.	57.3 gr.	59.6 gr.			

195 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:

0.294
0.308"



195 gr. BTHP Match™

(Discontinued)

Item No. 3095

C.O.L.: 3.210"

G1 B.C.: 0.550

G7 B.C.: 0.311

VELOCITY (FPS – feet per second)

POWDER	2200	2300	2400	2500	2600	2650	2700
Alliant RL-15	41.3 gr.	43.4 gr.	45.5 gr.	47.6 gr.			
H414	45.2 gr.	46.9 gr.	48.5 gr.	50.2 gr.	51.9 gr.		
WIN 760	45.4 gr.	47.1 gr.	48.8 gr.	50.5 gr.	52.2 gr.		
Alliant RL-17	44.2 gr.	46.3 gr.	48.5 gr.	50.7 gr.	52.9 gr.	54.0 gr.	55.1 gr.
Hybrid 100V	45.5 gr.	47.5 gr.	49.5 gr.	51.6 gr.	53.6 gr.		
IMR 4451	44.3 gr.	46.9 gr.	49.5 gr.	52.1 gr.			
NORMA URP	46.4 gr.	48.3 gr.	50.2 gr.	52.1 gr.	54.0 gr.	54.9 gr.	
Accurate 4350	45.9 gr.	48.2 gr.	50.5 gr.	52.8 gr.	55.1 gr.		
SUPERFORMANCE	48.1 gr.	50.0 gr.	51.9 gr.	53.9 gr.	55.8 gr.	56.8 gr.	57.7 gr.
Power Pro 4000 MR	47.6 gr.	50.0 gr.	52.3 gr.	54.7 gr.	57.1 gr.		
VIHT N-160	49.5 gr.	51.4 gr.	53.2 gr.	55.0 gr.	56.8 gr.		
IMR 4831	50.7 gr.	52.4 gr.	54.2 gr.	56.0 gr.			
Alliant RL-19	50.9 gr.	53.0 gr.	55.1 gr.	57.2 gr.	59.3 gr.		

200 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:

0.301
0.308"



200 gr. ELD-X®

Item No. 3076

C.O.L.: 3.340"

G1 B.C.: 0.597

G7 B.C.: 0.301

VELOCITY (FPS – feet per second)

POWDER	2200	2300	2400	2500	2600	2650
Alliant RL-15	42.3 gr.	44.3 gr.	46.3 gr.			
H414	44.6 gr.	46.6 gr.	48.5 gr.	50.4 gr.		
WIN 760	44.6 gr.	46.5 gr.	48.5 gr.	50.4 gr.		
Alliant RL-17	44.3 gr.	46.5 gr.	48.7 gr.	50.9 gr.	53.1 gr.	54.3 gr.
Hybrid 100V	44.9 gr.	47.2 gr.	49.5 gr.	51.9 gr.		
H4350	45.0 gr.	47.4 gr.	49.8 gr.	52.3 gr.		
NORMA URP	45.9 gr.	47.9 gr.	49.9 gr.	51.9 gr.	53.9 gr.	
IMR 4451	45.8 gr.	47.9 gr.	50.1 gr.	52.2 gr.		
IMR 4350	46.8 gr.	48.8 gr.	50.8 gr.			
SUPERFORMANCE	46.9 gr.	49.1 gr.	51.2 gr.	53.4 gr.	55.6 gr.	56.7 gr.
Power Pro 4000 MR	47.6 gr.	50.1 gr.	52.5 gr.	55.0 gr.	57.5 gr.	
IMR 4831	48.5 gr.	50.5 gr.	52.5 gr.	54.4 gr.		
VIHT N-160	48.8 gr.	50.6 gr.	52.5 gr.	54.3 gr.		
Accurate 4350	48.9 gr.	50.7 gr.	52.5 gr.	54.3 gr.		
Alliant RL-19	50.6 gr.	52.5 gr.	54.3 gr.	56.2 gr.		

208 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:

0.313
0.308"



208 gr. BTHP Match™

Item No. 30733
C.O.L.: 3.340"
G1 B.C.: 0.620
G7 B.C.: 0.311



208 gr. A-MAX®

(Discontinued)
Item No. 30732
C.O.L.: 3.340"
G1 B.C.: 0.648
G7 B.C.: 0.325



208 gr. ELD® Match

Item No. 30731
C.O.L.: 3.340"
G1 B.C.: 0.690
G7 B.C.: 0.348

VELOCITY (FPS – feet per second)

POWDER	2100	2200	2300	2400	2500	2600	2650
Alliant RL-15	40.4 gr.	42.5 gr.	44.7 gr.	46.8 gr.	49.0 gr.		
WIN 760	43.7 gr.	45.6 gr.	47.5 gr.	49.4 gr.	51.3 gr.		
H414	44.9 gr.	46.4 gr.	47.9 gr.	49.5 gr.	51.0 gr.		
Alliant RL-17	43.1 gr.	45.3 gr.	47.4 gr.	49.6 gr.	51.7 gr.	53.9 gr.	
Hybrid 100V	43.2 gr.	45.4 gr.	47.6 gr.	49.8 gr.	51.9 gr.		
H4350	42.3 gr.	44.9 gr.	47.6 gr.	50.3 gr.	52.9 gr.		
NORMA URP	44.6 gr.	46.5 gr.	48.4 gr.	50.4 gr.	52.3 gr.		
IMR 4451	44.2 gr.	46.3 gr.	48.5 gr.	50.6 gr.			
SUPERFORMANCE	46.1 gr.	48.0 gr.	49.9 gr.	51.9 gr.	53.8 gr.	55.7 gr.	56.7 gr.
Power Pro 4000 MR	45.9 gr.	48.3 gr.	50.7 gr.	53.1 gr.	55.5 gr.		
VIHT N-160	48.3 gr.	50.0 gr.	51.8 gr.	53.6 gr.	55.4 gr.		
IMR 4831	48.7 gr.	50.7 gr.	52.7 gr.	54.6 gr.	56.6 gr.		
Alliant RL-19	48.8 gr.	50.9 gr.	53.1 gr.	55.2 gr.	57.3 gr.	59.4 gr.	

212 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:

0.319
0.308"



212 gr. ELD-X®
Item No. 3077
C.O.L.: 3.400"
G1 B.C.: 0.682
G7 B.C.: 0.334

VELOCITY (FPS – feet per second)							
POWDER	2100	2200	2300	2400	2500	2550	2600
Alliant RL-15	40.0 gr.	41.9 gr.	43.7 gr.	45.6 gr.			
H414	43.7 gr.	45.5 gr.	47.3 gr.	49.1 gr.			
Alliant RL-17	43.1 gr.	45.1 gr.	47.2 gr.	49.3 gr.	51.3 gr.	52.3 gr.	
Hybrid 100V	43.6 gr.	45.7 gr.	47.9 gr.	50.0 gr.	52.1 gr.	53.1 gr.	
WIN 760	43.7 gr.	45.9 gr.	48.1 gr.	50.3 gr.			
IMR 4451	44.3 gr.	46.4 gr.	48.5 gr.	50.5 gr.			
NORMA URP	45.3 gr.	47.2 gr.	49.1 gr.	51.0 gr.	52.9 gr.		
H4350	45.0 gr.	47.0 gr.	49.1 gr.	51.1 gr.	53.2 gr.		
SUPERFORMANCE	46.9 gr.	48.8 gr.	50.7 gr.	52.5 gr.	54.4 gr.	55.4 gr.	56.3 gr.
Power Pro 4000 MR	46.4 gr.	48.6 gr.	50.7 gr.	52.9 gr.	55.1 gr.		
VIHT N-160	47.5 gr.	49.4 gr.	51.3 gr.	53.1 gr.	55.0 gr.		
IMR 4831	46.2 gr.	48.9 gr.	51.7 gr.	54.4 gr.			
Alliant RL-19	47.6 gr.	50.0 gr.	52.3 gr.	54.7 gr.	57.0 gr.	58.2 gr.	

220 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:

0.331
0.308"



220 gr. InterLock® RN

Item No. 3090

C.O.L.: 3.210"

G1 B.C.: 0.300



220 gr. ELD-X®

Item No. 3078

C.O.L.: 3.340"

G1 B.C.: 0.654

G7 B.C.: 0.329

POWDER	VELOCITY (FPS – feet per second)					
	2100	2200	2300	2400	2500	2550
Alliant RL-15	41.1 gr.	43.4 gr.	45.7 gr.			
Alliant RL-17	42.3 gr.	44.8 gr.	47.4 gr.	50.0 gr.		
H414	43.8 gr.	45.7 gr.	47.6 gr.			
WIN 760	43.9 gr.	45.8 gr.	47.8 gr.	49.7 gr.		
H4350	43.7 gr.	46.2 gr.	48.7 gr.	51.1 gr.		
Hybrid 100V	44.7 gr.	46.9 gr.	49.0 gr.	51.1 gr.		
IMR 4451	44.8 gr.	46.9 gr.	49.1 gr.			
NORMA URP	45.4 gr.	47.3 gr.	49.3 gr.	51.2 gr.		
SUPERFORMANCE	46.1 gr.	48.2 gr.	50.3 gr.	52.4 gr.	54.5 gr.	55.6 gr.
VIHT N-160	47.5 gr.	49.4 gr.	51.3 gr.	53.2 gr.		
Power Pro 4000 MR	46.9 gr.	49.2 gr.	51.5 gr.	53.8 gr.		
IMR 4831	48.4 gr.	50.4 gr.	52.5 gr.	54.5 gr.		
Alliant RL-19	48.6 gr.	51.0 gr.	53.3 gr.	55.7 gr.	58.1 gr.	

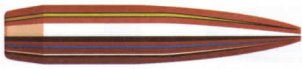
225 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:

0.339
0.308"

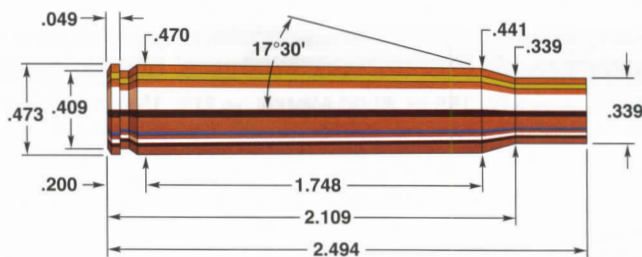


225 gr. ELD® Match
Item No. 30904
C.O.L.: 3.340"
G1 B.C.: 0.777
G7 B.C.: 0.397



225 gr. BTHP Match™
(Discontinued)
Item No. 30903
C.O.L.: 3.340"
G1 B.C.: 0.670
G7 B.C.: 0.336

VELOCITY (FPS – feet per second)							
POWDER	2000	2100	2200	2300	2400	2450	2500
Alliant RL-15	39.0 gr.	41.2 gr.	43.4 gr.	45.6 gr.			
BIG GAME	40.3 gr.	42.6 gr.	44.9 gr.	47.2 gr.	49.5 gr.		
Alliant RL-17	39.5 gr.	42.3 gr.	45.0 gr.	47.8 gr.	50.6 gr.		
H414	43.3 gr.	44.9 gr.	46.6 gr.	48.2 gr.	49.8 gr.		
IMR 4451	41.9 gr.	44.2 gr.	46.5 gr.	48.8 gr.			
NORMA URP	42.7 gr.	44.8 gr.	46.8 gr.	48.8 gr.	50.9 gr.	51.9 gr.	
Hybrid 100V	42.6 gr.	44.8 gr.	46.9 gr.	49.1 gr.	51.2 gr.		
H4350	39.6 gr.	42.9 gr.	46.1 gr.	49.4 gr.			
SUPERFORMANCE	46.3 gr.	48.0 gr.	49.7 gr.	51.4 gr.	53.1 gr.	54.0 gr.	54.8 gr.
Power Pro 4000 MR	44.8 gr.	47.1 gr.	49.3 gr.	51.6 gr.	53.9 gr.	55.0 gr.	
VIHT N-160	46.9 gr.	48.7 gr.	50.5 gr.	52.3 gr.	54.0 gr.		
IMR 4831	45.7 gr.	47.9 gr.	50.2 gr.	52.5 gr.	54.7 gr.		
Alliant RL-19	47.8 gr.	49.7 gr.	51.5 gr.	53.4 gr.	55.3 gr.	56.3 gr.	



M1 Garand

Rifle:	M1 Garand	Bullet Diameter:	0.308"
Barrel:	24", 1 in 10" Twist	Maximum COL:	3.340"
Case:	Hornady/Frontier	Max. Case Length:	2.494"
Primer:	Winchester WLR	Case Trim Length:	2.484"

The M1 Garand has probably the most colorful history of any service rifle. It is a solid, strong design that provides outstanding reliability and performance. The M1 should by no means be overlooked as a service match rifle. An M1 Garand with a quality barrel, a properly assembled and bedded receiver, and shooting carefully prepared reloads, is easily capable of shooting one-minute-of-angle or better. Because of the 30-06 Springfield's capability to handle heavier bullets than the 308, the Garand can make an excellent long range rifle. Re-barreling the Garand in 308 is a common and safe practice, and usually can provide somewhat better accuracy than the 30-06. However, propellants that are at the slower end of the spectrum for the 308 for a given bullet weight are usually required to provide reliable functioning.

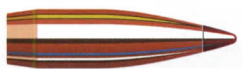
Hornady offers an outstanding selection of bullets for the M1 shooter. The 155 grain ELD® Match and BTHP bullets provide lightweight low recoil loads with high ballistic coefficients that can resist the wind. The 168 and 178 grain ELD® Match and BTHP bullets provide very long distance designs that the 30-06 can use extremely well in 1000 yard shooting. In testing we achieved our best performance with VIHT N-150 powder. Good results were also obtained with VIHT N-140 and H 4895.

150-155 GRAIN BULLETS

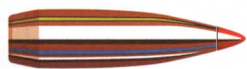
SECTIONAL DENSITY: 0.226-0.233
DIAMETER: 0.308"



150 gr. FMJ-BT
Item No. 3037
C.O.L.: 3.185"
G1 B.C.: 0.398



155 gr. ELD® Match
Item No. 30313
C.O.L.: 3.240"
G1 B.C.: 0.461
G7 B.C.: 0.232



155 gr. A-MAX®
(Discontinued)
Item No. 30312
C.O.L.: 3.240"
G1 B.C.: 0.435

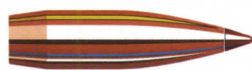


155 gr. BTHP Match™
Item No. 3039
C.O.L.: 3.210"
G1 B.C.: 0.405

VELOCITY (FPS – feet per second)					
POWDER	2400	2500	2600	2700	2750
H335	36.9 gr.	39.6 gr.	42.4 gr.	45.1 gr.	46.4 gr.
Accurate 2495	40.5 gr.	42.6 gr.	44.6 gr.		
Accurate 2520	41.9 gr.	43.3 gr.	44.8 gr.	46.2 gr.	
VIHT N-135	40.8 gr.	42.8 gr.	44.9 gr.	46.9 gr.	47.9 gr.
VARGET	42.3 gr.	44.2 gr.	46.2 gr.		
H4895	43.2 gr.	44.8 gr.	46.4 gr.		

168 GRAIN BULLETS

SECTIONAL DENSITY: 0.253
DIAMETER: 0.308"



168 gr. ELD® Match
Item No. 30506
C.O.L.: 3.240"
G1 B.C.: 0.523
G7 B.C.: 0.263



168 gr. A-MAX®
Item No. 30502
C.O.L.: 3.240"
G1 B.C.: 0.475



168 gr. BTHP Match™
Item No. 30501
C.O.L.: 3.240"
G1 B.C.: 0.450

VELOCITY (FPS – feet per second)					
POWDER	2300	2400	2500	2600	2700
Accurate 2495	37.7 gr.	40.3 gr.	42.9 gr.	45.5 gr.	
VIHT N-135	41.1 gr.	42.7 gr.	44.4 gr.	46.0 gr.	
H4895	39.8 gr.	42.0 gr.	44.2 gr.	46.4 gr.	
WIN 748	41.1 gr.	42.9 gr.	44.8 gr.	46.6 gr.	48.4 gr.
VARGET	40.3 gr.	42.5 gr.	44.7 gr.	47.0 gr.	
IMR 4895	39.6 gr.	42.1 gr.	44.6 gr.	47.1 gr.	
IMR 4064	41.4 gr.	43.3 gr.	45.2 gr.	47.2 gr.	
VIHT N-140	42.0 gr.	43.9 gr.	45.7 gr.	47.5 gr.	
Alliant RL-15	43.2 gr.	44.6 gr.	46.0 gr.	47.5 gr.	
VIHT N-150	41.4 gr.	43.5 gr.	45.6 gr.	47.7 gr.	
BL-C(2)	41.4 gr.	43.5 gr.	45.6 gr.	47.8 gr.	

176-178 GRAIN BULLETS

SECTIONAL DENSITY: 0.265-0.268
DIAMETER: 0.308"

**176 gr. A-Tip® Match**

Item No. 30717
C.O.L.: 3.240"
G1 B.C.: 0.564
G7 B.C.: 0.284

**178 gr. BTHP Match™**

Item No. 30715
C.O.L.: 3.240"
G1 B.C.: 0.530

**178 gr. ELD® Match**

Item No. 30713
C.O.L.: 3.240"
G1 B.C.: 0.547
G7 B.C.: 0.275

**178 gr. A-MAX®**

(Discontinued)

Item No. 30712
C.O.L.: 3.240"
G1 B.C.: 0.495

VELOCITY (FPS – feet per second)

POWDER	2200	2300	2400	2500	2550
VIHT N-135	38.1 gr.	40.2 gr.	42.4 gr.	44.5 gr.	
VARGET	37.9 gr.	40.3 gr.	42.7 gr.	45.2 gr.	46.4 gr.
H4895	38.2 gr.	40.5 gr.	42.9 gr.	45.2 gr.	46.4 gr.
IMR 4895	39.8 gr.	41.6 gr.	43.4 gr.	45.2 gr.	46.1 gr.
WIN 748	40.1 gr.	41.8 gr.	43.5 gr.	45.3 gr.	
VIHT N-140	39.4 gr.	41.5 gr.	43.6 gr.	45.7 gr.	46.7 gr.
IMR 4064	39.5 gr.	41.6 gr.	43.6 gr.	45.7 gr.	46.7 gr.
VIHT N-150	38.7 gr.	41.1 gr.	43.6 gr.	46.1 gr.	47.3 gr.
BL-C(2)	40.4 gr.	42.4 gr.	44.4 gr.	46.4 gr.	47.4 gr.
Alliant RL-15	40.4 gr.	42.5 gr.	44.5 gr.	46.5 gr.	