

223 Remington

Rifle:	Remington 700	Bullet Diameter:	0.224"
Barrel:	26", 1 in 12" Twist	Maximum COL:	2.260"
Case:	Winchester	Max. Case Length:	1.760"
Primer:	Winchester WSR	Case Trim Length:	1.750"

The 223 Remington began as a military cartridge in 1957 and was later introduced by Remington as a commercial round. The cartridge is now chambered by numerous manufacturers in a wide variety of firearms. Ready availability of inexpensive military surplus brass contributed greatly to the 223's popularity. It easily surpassed the 222 Magnum's following, and its acceptance is still growing.

When comparing the 222 Magnum and the 223 Remington, the case size appears to be nearly identical. However, the 222 Magnum is about one tenth of an inch longer and holds ½ to 1 grain more powder. 223 Remington cartridges should not be fired in a 222 Magnum as the case dimensions are different and the cases are likely to rupture, possibly causing injury.

The 223 Remington is an excellent choice for varmint hunters. Couple the wide assortment of firearms with Hornady's superb selection of 22 caliber bullets and the 223 is adequate for any 22 caliber use. Varminters are encouraged to try the 22 caliber Hornady V-MAX® bullets. These polymer-tipped bullets have been designed not only for their explosive performance on impact, they are very efficient ballistically and highly accurate.

35 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:

0.100
0.224"



35 gr. NTX®

Item No. 22240

C.O.L.: 2.240"

G1 B.C.: 0.177

VELOCITY (FPS - feet per second)

POWDER	3300	3400	3500	3600	3700	3800
IMR 4198	20.0 gr.	20.6 gr.	21.1 gr.	21.6 gr.	22.2 gr.	
H4198	20.9 gr.	21.5 gr.	22.0 gr.	22.6 gr.		
NORMA 200	22.2 gr.	22.9 gr.	23.6 gr.			
Accurate 2230	21.7 gr.	22.8 gr.	23.9 gr.	24.9 gr.	26.0 gr.	
Alliant RL-10X	22.7 gr.	23.4 gr.	24.1 gr.	24.8 gr.		
VIHT N-133	23.0 gr.	23.6 gr.	24.2 gr.			
H322	24.0 gr.	24.6 gr.	25.1 gr.	25.7 gr.		
Accurate 2460	23.9 gr.	24.6 gr.	25.3 gr.	26.0 gr.	26.7 gr.	
Benchmark	24.4 gr.	25.0 gr.	25.7 gr.	26.3 gr.	26.9 gr.	
TAC	24.3 gr.	25.1 gr.	25.9 gr.	26.8 gr.	27.6 gr.	
X-TERMINATOR	24.4 gr.	25.2 gr.	26.0 gr.	26.8 gr.	27.6 gr.	28.4 gr.

40 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:

0.114
0.224"



40 gr. V-MAX®

Item No. 22241

C.O.L.: 2.200"

G1 B.C.: 0.200

VELOCITY (FPS - feet per second)

POWDER	3300	3400	3500	3600	3700	3800
IMR 4198	19.3 gr.	20.0 gr.	20.7 gr.	21.5 gr.	22.2 gr.	
VIHT N-120	19.5 gr.	20.3 gr.	21.0 gr.			
VIHT N-130	21.6 gr.	22.3 gr.	23.0 gr.	23.8 gr.	24.5 gr.	
Accurate LT-30	22.2 gr.	22.9 gr.	23.6 gr.	24.2 gr.		
Alliant RL-10X	23.0 gr.	23.6 gr.	24.1 gr.	24.6 gr.	25.2 gr.	
Accurate LT-32	23.3 gr.	24.0 gr.	24.7 gr.	25.3 gr.		
Accurate 2460	24.1 gr.	24.9 gr.	25.6 gr.	26.4 gr.	27.1 gr.	27.8 gr.
H335	24.3 gr.	25.1 gr.	25.9 gr.	26.6 gr.	27.4 gr.	
TAC	24.3 gr.	25.1 gr.	25.9 gr.	26.7 gr.	27.5 gr.	
Benchmark	24.7 gr.	25.6 gr.	26.4 gr.			
IMR 8208 XBR	26.2 gr.	26.7 gr.	27.0 gr.			

45 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:

0.128
0.224"



45 gr. HORNET

Item No. 2230

C.O.L.: 2.200"

G1 B.C.: 0.202

VELOCITY (FPS – feet per second)					
POWDER	3100	3200	3300	3400	3500
VIHT N-130	20.0 gr.	20.8 gr.	21.6 gr.	22.5 gr.	23.3 gr.
IMR 4198	20.6 gr.	21.3 gr.	22.0 gr.	22.7 gr.	
VIHT N-133	21.1 gr.	21.9 gr.	22.8 gr.	23.7 gr.	24.6 gr.
Alliant RL-10X	21.6 gr.	22.4 gr.	23.2 gr.	24.0 gr.	
H322	23.3 gr.	23.9 gr.	24.5 gr.	25.1 gr.	
VIHT N-135	22.8 gr.	23.6 gr.	24.5 gr.	25.3 gr.	
TAC	22.9 gr.	23.7 gr.	24.6 gr.	25.4 gr.	26.2 gr.
IMR 3031		23.8 gr.	24.6 gr.	25.5 gr.	
Benchmark	23.7 gr.	24.4 gr.	25.1 gr.	25.7 gr.	26.4 gr.
H335	23.0 gr.	24.0 gr.	25.0 gr.	26.1 gr.	27.1 gr.
Accurate 2460	23.9 gr.	24.6 gr.	25.4 gr.	26.1 gr.	26.9 gr.
BL-C(2)	24.9 gr.	25.6 gr.	26.3 gr.	27.0 gr.	27.7 gr.
WIN 748	25.5 gr.	26.5 gr.	27.5 gr.	28.6 gr.	

50 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:

0.142
0.224"



50 gr. V-MAX®
Item No. 22261
C.O.L.: 2.240"
G1 B.C.: 0.242



50 gr. SP
Item No. 2245
C.O.L.: 2.200"
G1 B.C.: 0.214



50 gr. SP SX™
Item No. 2240
C.O.L.: 2.200"
G1 B.C.: 0.214

VELOCITY (FPS – feet per second)

POWDER	2900	3000	3100	3200	3300	3400
IMR 4198	19.5 gr.	20.2 gr.	20.9 gr.	21.6 gr.	22.2 gr.	
VIHT N-130	19.6 gr.	20.4 gr.	21.2 gr.	22.1 gr.	22.9 gr.	
VIHT N-133	19.8 gr.	20.6 gr.	21.4 gr.	22.1 gr.	22.9 gr.	23.7 gr.
Alliant RL-10X	20.0 gr.	20.9 gr.	21.8 gr.	22.6 gr.	23.5 gr.	
H322	21.9 gr.	22.6 gr.	23.2 gr.	23.9 gr.	24.5 gr.	25.2 gr.
IMR 3031	22.5 gr.	23.2 gr.	23.8 gr.	24.4 gr.	25.1 gr.	25.7 gr.
TAC	22.3 gr.	23.1 gr.	23.8 gr.	24.5 gr.	25.2 gr.	25.9 gr.
H335	21.8 gr.	22.7 gr.	23.7 gr.	24.7 gr.	25.7 gr.	
Benchmark	21.5 gr.	22.6 gr.	23.7 gr.	24.8 gr.	25.8 gr.	
SW Tactical Rifle	22.3 gr.	23.2 gr.	24.1 gr.	24.9 gr.	25.8 gr.	26.7 gr.
Accurate 2460	22.4 gr.	23.3 gr.	24.3 gr.	25.2 gr.	26.2 gr.	27.1 gr.
IMR 8208 XBR	23.5 gr.	24.2 gr.	24.9 gr.	25.6 gr.	26.5 gr.	
BL-C(2)	22.9 gr.	23.9 gr.	24.8 gr.	25.8 gr.	26.7 gr.	
IMR 4895	24.3 gr.	25.0 gr.	25.7 gr.	26.3 gr.	27.0 gr.	
Power Pro Varmint	24.3 gr.	25.0 gr.	25.7 gr.	26.5 gr.	27.2 gr.	
WIN 748	24.5 gr.	25.1 gr.	25.9 gr.	26.7 gr.	27.5 gr.	28.3 gr.
IMR 4320	25.0 gr.	25.7 gr.	26.5 gr.	27.2 gr.	27.9 gr.	
H380	25.3 gr.	26.2 gr.	27.2 gr.	28.1 gr.	29.0 gr.	

50 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:

0.142
0.224"



50 gr. GMX® (Discontinued)
Item No. 22403
C.O.L.: 2.165"
G1 B.C.: 0.215

VELOCITY (FPS – feet per second)

POWDER	2800	2900	3000	3100	3200	3300
VIHT N-135	22.3 gr.	22.9 gr.	23.6 gr.	24.2 gr.		
Benchmark	23.0 gr.	23.5 gr.	24.1 gr.	24.6 gr.		
AR-Comp	22.5 gr.	23.3 gr.	24.2 gr.	25.0 gr.		
IMR 8208 XBR	23.5 gr.	24.1 gr.	24.7 gr.	25.3 gr.		
TAC	23.6 gr.	24.2 gr.	24.8 gr.	25.4 gr.	26.0 gr.	
WIN 748	24.3 gr.	24.9 gr.	25.5 gr.	26.1 gr.		
Power Pro Varmint	23.3 gr.	24.3 gr.	25.3 gr.	26.3 gr.	27.2 gr.	
Accurate 2520	24.3 gr.	25.0 gr.	25.6 gr.	26.3 gr.	26.9 gr.	
CFE 223	24.4 gr.	25.3 gr.	26.1 gr.	27.0 gr.	27.9 gr.	28.8 gr.

52-53 GRAIN BULLETS

SECTIONAL DENSITY: 0.148-0.151
DIAMETER: 0.224"



52 gr. A-MAX® (Discontinued)
Item No. 22492
C.O.L.: 2.230"
G1 B.C.: 0.247



52 gr. ELD® Match
Item No. 22491
C.O.L.: 2.230"
G1 B.C.: 0.247



52 gr. BTHP Match™
Item No. 2249
C.O.L.: 2.230"
G1 B.C.: 0.229



53 gr. V-MAX®
Item No. 22265
C.O.L.: 2.240"
G1 B.C.: 0.290



53 gr. HP Match™
Item No. 2250
C.O.L.: 2.230"
G1 B.C.: 0.218

VELOCITY (FPS – feet per second)						
POWDER	2900	3000	3100	3200	3300	3400
IMR 4198	19.2 gr.	20.1 gr.	21.0 gr.	21.9 gr.		
VIHT N-130	19.3 gr.	20.3 gr.	21.3 gr.	22.2 gr.		
Alliant RL-10X	20.4 gr.	21.3 gr.	22.1 gr.	23.0 gr.		
VIHT N-133	20.6 gr.	21.4 gr.	22.2 gr.	23.0 gr.		
IMR 3031	22.2 gr.	22.9 gr.	23.5 gr.	24.2 gr.	24.8 gr.	25.5 gr.
H322	22.2 gr.	22.9 gr.	23.6 gr.	24.3 gr.	25.0 gr.	
VIHT N-135	22.0 gr.	22.9 gr.	23.7 gr.	24.5 gr.		
TAC	22.4 gr.	23.2 gr.	24.1 gr.	24.9 gr.	25.8 gr.	
Benchmark	22.1 gr.	23.1 gr.	24.0 gr.	25.0 gr.		
AR-Comp	23.5 gr.	24.1 gr.	24.6 gr.	25.2 gr.		
H335	22.3 gr.	23.3 gr.	24.3 gr.	25.4 gr.		
Accurate 2460	22.6 gr.	23.5 gr.	24.5 gr.	25.4 gr.	26.3 gr.	27.3 gr.
BL-C(2)	22.5 gr.	23.5 gr.	24.5 gr.	25.5 gr.	26.5 gr.	27.4 gr.
IMR 8208 XBR	23.7 gr.	24.4 gr.	25.1 gr.	25.7 gr.	26.2 gr.	
VARGET	23.3 gr.	24.2 gr.	25.1 gr.	26.0 gr.		
IMR 4895	24.1 gr.	24.9 gr.	25.6 gr.	26.4 gr.	27.1 gr.	
Power Pro Varmint	24.5 gr.	25.2 gr.	26.0 gr.	26.7 gr.		
WIN 748	23.8 gr.	24.8 gr.	25.8 gr.	26.9 gr.	27.9 gr.	28.9 gr.
IMR 4320	24.8 gr.	25.6 gr.	26.4 gr.	27.2 gr.	27.9 gr.	
CFE 223	25.6 gr.	26.2 gr.	26.8 gr.	27.4 gr.	28.0 gr.	

55 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:0.157
0.224"**55 gr. V-MAX®**
Item No. 22271
C.O.L.: 2.250"
G1 B.C.: 0.255**55 gr. FMJ-BT W/C**
Item No. 2267
C.O.L.: 2.200"
G1 B.C.: 0.243**55 gr. BTSP W/C**
Item No. 2266
C.O.L.: 2.200"
G1 B.C.: 0.235**55 gr. SP**
Item No. 2265
C.O.L.: 2.200"
G1 B.C.: 0.235**55 gr. SP SX™**
Item No. 2260
C.O.L.: 2.200"
G1 B.C.: 0.235

VELOCITY (FPS – feet per second)

POWDER	2800	2900	3000	3100	3200	3300
IMR 4198	17.4 gr.	18.2 gr.	19.1 gr.	20.0 gr.		
Alliant RL-10X	19.5 gr.	20.4 gr.	21.3 gr.	22.2 gr.		
VIHT N-133	19.8 gr.	20.8 gr.	21.8 gr.	22.7 gr.		
H322	19.5 gr.	20.7 gr.	21.9 gr.	23.1 gr.		
IMR 3031	20.5 gr.	21.2 gr.	22.0 gr.	22.8 gr.		
VIHT N-135	20.5 gr.	21.5 gr.	22.4 gr.	23.4 gr.		
H335	20.8 gr.	21.6 gr.	22.4 gr.	23.2 gr.		
TAC	21.5 gr.	22.3 gr.	23.1 gr.	23.9 gr.	24.7 gr.	
Accurate 2460	21.2 gr.	22.2 gr.	23.2 gr.	24.2 gr.		
Benchmark	21.6 gr.	22.6 gr.	23.5 gr.	24.5 gr.		
AR-Comp	22.7 gr.	23.4 gr.	24.1 gr.	24.8 gr.		
SW Tactical Rifle	22.4 gr.	23.3 gr.	24.2 gr.			
IMR 4895	22.7 gr.	23.5 gr.	24.3 gr.	25.1 gr.		
IMR 8208 XBR	22.8 gr.	23.6 gr.	24.4 gr.	25.1 gr.	25.8 gr.	
WIN 748	22.7 gr.	23.7 gr.	24.6 gr.	25.5 gr.	26.4 gr.	
VARGET	22.8 gr.	23.7 gr.	24.6 gr.	25.5 gr.	26.4 gr.	
VIHT N-140	22.8 gr.	23.8 gr.	24.7 gr.	25.7 gr.		
NORMA 201	23.4 gr.	24.1 gr.	24.7 gr.	25.4 gr.		
Power Pro Varmint	24.0 gr.	24.7 gr.	25.4 gr.	26.1 gr.	26.8 gr.	
BL-C(2)	24.4 gr.	25.1 gr.	25.9 gr.	26.6 gr.	27.4 gr.	28.1 gr.
CFE 223	24.8 gr.	25.5 gr.	26.1 gr.	26.7 gr.	27.4 gr.	

55 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:

0.157
0.224"

223 Remington



55 gr. GMX®
Item No. 22273
C.O.L.: 2.185"
G1 B.C.: 0.245

POWDER	VELOCITY (FPS – feet per second)					
	2600	2700	2800	2900	3000	3100
AR-Comp	20.4 gr.	21.4 gr.	22.4 gr.	23.5 gr.		
VIHT N-135	20.6 gr.	21.5 gr.	22.4 gr.	23.3 gr.		
Benchmark	21.7 gr.	22.3 gr.	23.0 gr.	23.7 gr.		
TAC	21.7 gr.	22.4 gr.	23.2 gr.	23.9 gr.		
Accurate 2520	21.5 gr.	22.5 gr.	23.5 gr.	24.4 gr.	25.4 gr.	
IMR 8208 XBR	22.1 gr.	22.8 gr.	23.5 gr.			
Power Pro Varmint	22.7 gr.	23.4 gr.	24.2 gr.	24.9 gr.	25.6 gr.	26.3 gr.
WIN 748	22.9 gr.	23.7 gr.	24.4 gr.	25.2 gr.	25.9 gr.	
CFE 223	23.5 gr.	24.2 gr.	24.9 gr.	25.7 gr.	26.4 gr.	27.1 gr.

60-62 GRAIN BULLETS

SECTIONAL DENSITY: 0.171-0.177
DIAMETER: 0.224"**60 gr. V-MAX®**

Item No. 22281

C.O.L.: 2.250"

G1 B.C.: 0.265

**60 gr. HP** (Discontinued)

Item No. 22275

C.O.L.: 2.200"

G1 B.C.: 0.271

**60 gr. SP**

Item No. 22270

C.O.L.: 2.200"

G1 B.C.: 0.264

**62 gr. FMJ-BT W/C**

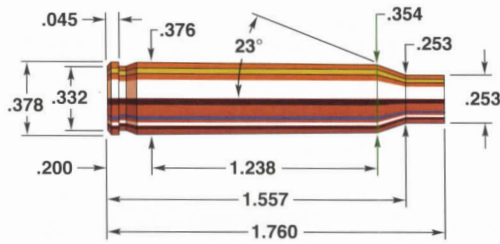
Item No. 22760B

C.O.L.: 2.229"

G1 B.C.: 0.274

VELOCITY (FPS – feet per second)

POWDER	2700	2800	2900	3000	3100	3200
IMR 4198	17.2 gr.	18.1 gr.	19.1 gr.			
Alliant RL-10X	19.0 gr.	19.9 gr.	20.9 gr.	21.8 gr.		
VIHT N-133	19.5 gr.	20.4 gr.	21.3 gr.	22.2 gr.		
VIHT N-135	19.6 gr.	20.6 gr.	21.7 gr.	22.7 gr.		
H335	20.1 gr.	21.0 gr.	22.0 gr.	22.9 gr.		
IMR 3031	20.3 gr.	21.2 gr.	22.0 gr.	22.8 gr.		
Accurate 2460	20.2 gr.	21.2 gr.	22.1 gr.	23.0 gr.		
H322	20.7 gr.	21.5 gr.	22.3 gr.	23.1 gr.		
Accurate 2230	21.3 gr.	22.2 gr.	23.0 gr.	23.9 gr.	24.8 gr.	
TAC	21.6 gr.	22.3 gr.	23.1 gr.	23.9 gr.	24.7 gr.	
Benchmark	21.7 gr.	22.5 gr.	23.4 gr.	24.2 gr.	25.0 gr.	
AR-Comp	22.2 gr.	22.8 gr.	23.4 gr.			
VIHT N-140	21.5 gr.	22.6 gr.	23.7 gr.	24.8 gr.		
VARGET	21.7 gr.	22.7 gr.	23.8 gr.	24.9 gr.		
WIN 748	22.1 gr.	23.0 gr.	23.8 gr.	24.7 gr.	25.5 gr.	
NORMA 201	22.8 gr.	23.5 gr.	24.2 gr.			
IMR 8208 XBR	23.0 gr.	23.7 gr.	24.3 gr.	25.3 gr.		
Power Pro Varmint	23.6 gr.	24.2 gr.	24.8 gr.	25.5 gr.	26.1 gr.	
BL-C(2)	23.1 gr.	24.0 gr.	24.9 gr.	25.9 gr.	26.8 gr.	27.7 gr.
Alliant RL-15	24.2 gr.	24.9 gr.	25.7 gr.	26.5 gr.		
CFE 223	24.5 gr.	25.1 gr.	25.7 gr.	26.2 gr.	26.8 gr.	27.4 gr.



223 Remington Service Rifle Data

Rifle:	Colt AR-15, Citadel Bbl	Bullet Diameter:	0.224"
Barrel:	20", 1 in 9" Twist	Maximum COL:	2.250"
Case:	Winchester	Max. Case Length:	1.760"
Primer:	Winchester WSR	Case Trim Length:	1.750"

The 5.56 x 45mm cartridge was intended for military use from its inception. The Armalite AR-15 rifle for which it was developed, after evolving into the selective fire M-16 and undergoing several years of Army testing, was adopted by the U. S. military and first saw action in the Vietnam War.

Acceptance of the AR-15 as a service match rifle began in the 1980s. Army Marksmanship units decided to use the M-16, the military equivalent of the AR-15, as their service match rifle in the 1990s. Both developments spurred demand for excellent long-range bullets for the AR-15 shooter.

The Hornady 68 grain BTHP has been a mainstay of the AR-15 shooter for some time and is excellent for 200 and 300 yard shooting. The Hornady 73 grain ELD® Match and 75 grain BTHP can be loaded to function at magazine length and compete well at 600+ yards. The Hornady 75 grain ELD® Match bullet is an excellent choice over 600 yard ranges in single shot shooting. (This bullet cannot be loaded to magazine length.)

Our best results were obtained with VIHT N-140. VIHT N-135 and A 2495 gave excellent results but did not match VIHT N-140. Reloaders, especially former M1A/308 shooters, are cautioned not to load the 5.56 x 45mm beyond the AR-15's operating range lest case, barrel, and receiver life will be sacrificed.

68 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:
0.194
0.224"



68 gr. BTHP Match™
Item No. 2278
C.O.L.: 2.250"
G1 B.C.: 0.355

POWDER	VELOCITY (FPS – feet per second)				
	2500	2600	2700	2800	2900
AR-Comp	20.4 gr.	21.4 gr.	22.3 gr.	23.2 gr.	
VIHT N-135	21.3 gr.	22.0 gr.	22.7 gr.	23.4 gr.	
H322	21.6 gr.	22.3 gr.	23.0 gr.		
NORMA 201	21.7 gr.	22.5 gr.	23.4 gr.	24.2 gr.	
H335	21.3 gr.	22.6 gr.	23.8 gr.		
Power Pro Varmint	21.6 gr.	22.8 gr.	24.1 gr.	25.4 gr.	
Accurate 2230	21.8 gr.	23.0 gr.	24.2 gr.		
VIHT N-140	22.4 gr.	23.3 gr.	24.2 gr.	25.1 gr.	
IMR 4895	22.6 gr.	23.4 gr.	24.2 gr.	24.9 gr.	
VARGET	22.7 gr.	23.4 gr.	24.2 gr.	24.9 gr.	
CFE 223	22.5 gr.	23.5 gr.	24.4 gr.	25.4 gr.	26.3 gr.
BL-C(2)	22.9 gr.	23.8 gr.	24.7 gr.	25.6 gr.	
WIN 748	23.4 gr.	24.2 gr.	25.0 gr.	25.8 gr.	
Power Pro 2000 MR	24.3 gr.	25.2 gr.	26.2 gr.	27.1 gr.	

70 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:

0.199
0.224"



70 gr. GMX®
Item No. 2281
C.O.L.: 2.235"
G1 B.C.: 0.350

VELOCITY (FPS – feet per second)					
POWDER	2400	2500	2600	2700	2800
AR-Comp	16.8 gr.	18.0 gr.	19.1 gr.	20.3 gr.	21.5 gr.
Alliant RL-15	17.8 gr.	19.1 gr.	20.4 gr.	21.7 gr.	23.1 gr.
NORMA 203 B	17.8 gr.	19.4 gr.	21.0 gr.	22.6 gr.	24.0 gr.
CFE 223	17.8 gr.	19.5 gr.	21.1 gr.	22.8 gr.	24.4 gr.
VIHT N-140	18.0 gr.	19.5 gr.	21.1 gr.		
TAC	19.3 gr.	20.4 gr.	21.5 gr.	22.6 gr.	
Accurate 2520	19.4 gr.	20.6 gr.	21.8 gr.	22.9 gr.	24.1 gr.
Power Pro Varmint	19.5 gr.	20.7 gr.	22.0 gr.	23.2 gr.	24.5 gr.
WIN 748	20.0 gr.	21.2 gr.	22.3 gr.	23.5 gr.	
VARGET	20.3 gr.	21.3 gr.	22.4 gr.	23.5 gr.	

NOTE: 70 grain GMX® bullet will not stabilize in 1-8" and slower twist Bbls.

NOTE: 70 grain GMX® was shot using a 20" Bushmaster AR-15, 1-7" twist, WSR primers and a C.O.L. of 2.235".

73-75 GRAIN BULLETS

SECTIONAL DENSITY: 0.208-0.214
DIAMETER: 0.224"



73 gr. ELD® Match

Item No. 22774
C.O.L.: 2.250"
G1 B.C.: 0.398
G7 B.C.: 0.200



75 gr. A-MAX® (Discontinued)

Item No. 22792
C.O.L.: 2.390"
G1 B.C.: 0.435



75 gr. ELD® Match

Item No. 22791
C.O.L.: 2.390"
G1 B.C.: 0.467
G7 B.C.: 0.235



75 gr. BTHP Match™

Item No. 2279
C.O.L.: 2.250"
G1 B.C.: 0.395

POWDER	VELOCITY (FPS – feet per second)					
	2200	2300	2400	2500	2600	2700
IMR 3031	18.6 gr.	19.2 gr.	19.9 gr.	20.5 gr.	21.2 gr.	
AR-Comp	17.1 gr.	18.2 gr.	19.4 gr.	20.5 gr.	21.7 gr.	
Accurate 2495	18.2 gr.	19.1 gr.	20.0 gr.	20.9 gr.	21.8 gr.	
VIHT N-135	19.8 gr.	20.3 gr.	20.8 gr.	21.3 gr.	21.8 gr.	
Accurate 2520	18.6 gr.	19.6 gr.	20.5 gr.	21.5 gr.	22.5 gr.	
H4895	19.3 gr.	20.1 gr.	20.9 gr.	21.7 gr.	22.5 gr.	23.3 gr.
SW Tactical Rifle	19.0 gr.	19.9 gr.	20.9 gr.	21.8 gr.	22.8 gr.	23.8 gr.
Power Pro Varmint	19.4 gr.	20.4 gr.	21.3 gr.	22.3 gr.	23.3 gr.	24.2 gr.
Alliant RL-15	20.0 gr.	20.8 gr.	21.7 gr.	22.5 gr.	23.3 gr.	24.1 gr.
WIN 748	20.2 gr.	20.9 gr.	21.7 gr.	22.5 gr.	23.3 gr.	24.0 gr.
NORMA 203 B	19.8 gr.	20.7 gr.	21.6 gr.	22.5 gr.	23.4 gr.	
VARGET	19.4 gr.	20.4 gr.	21.5 gr.	22.5 gr.	23.5 gr.	
VIHT N-140	20.0 gr.	20.9 gr.	21.8 gr.	22.7 gr.	23.6 gr.	
VIHT N-540	20.6 gr.	21.4 gr.	22.1 gr.	22.9 gr.	23.6 gr.	
CFE 223	20.2 gr.	21.2 gr.	22.1 gr.	23.0 gr.	24.0 gr.	24.9 gr.
BL-C(2)	21.2 gr.	22.0 gr.	22.8 gr.	23.6 gr.	24.4 gr.	25.2 gr.
Power Pro 2000 MR	21.5 gr.	22.5 gr.	23.4 gr.	24.3 gr.	25.3 gr.	26.2 gr.

NOTE: It is recommended to use a 1-8" twist barrel or faster for #22791 and #22792.

80 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:

0.228
0.224"



80 gr. A-MAX® (Discontinued)

Item No. 22832

C.O.L.: 2.390"

G1 B.C.: 0.453



80 gr. ELD® Match

Item No. 22831

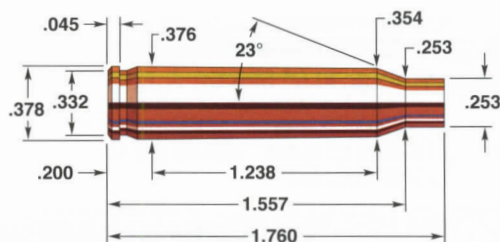
C.O.L.: 2.390"

G1 B.C.: 0.485

G7 B.C.: 0.244

POWDER	VELOCITY (FPS – feet per second)						
	2300	2400	2500	2600	2650	2700	2750
H4895	19.4 gr.	20.4 gr.	21.3 gr.	22.3 gr.			
TAC	20.1 gr.	21.0 gr.	22.0 gr.	22.9 gr.	23.3 gr.		
NORMA 203 B	20.1 gr.	21.1 gr.	22.0 gr.	23.0 gr.	23.4 gr.	23.9 gr.	
VIHT N-140	20.4 gr.	21.3 gr.	22.1 gr.	23.0 gr.			
Power Pro Varmint	19.9 gr.	21.0 gr.	22.0 gr.	23.1 gr.			
Alliant RL-15	20.4 gr.	21.3 gr.	22.2 gr.	23.1 gr.	23.5 gr.		
CFE 223	20.2 gr.	21.4 gr.	22.5 gr.	23.6 gr.	24.1 gr.	24.7 gr.	
WIN 748	21.0 gr.	21.9 gr.	22.7 gr.	23.6 gr.			
VARGET	20.8 gr.	21.8 gr.	22.8 gr.	23.8 gr.			
Accurate 2520	21.2 gr.	22.3 gr.	23.4 gr.	24.5 gr.	25.1 gr.		
BL-C(2)	21.7 gr.	22.7 gr.	23.7 gr.	24.7 gr.			
Power Pro 2000 MR	22.7 gr.	23.7 gr.	24.7 gr.	25.6 gr.	26.1 gr.		

NOTE: It is recommended to use a 1-8" twist barrel or faster for #22831 and #22832.



5.56mm NATO

Rifle:	Bushmaster XM15-E25	Bullet Diameter:	0.224"
Barrel:	20", 1 in 7" Twist	Maximum COL:	2.250"
Case:	Hornady	Max. Case Length:	1.760"
Primer:	WSR	Case Trim Length:	1.750"

The 5.56 NATO cartridge (5.56 x 45mm) was derived from the 223 Remington for use in the US Military M-16 rifle. The original 55 grain bullet has been replaced over the years and the current bullet is 62 grains. Original rifles started with 20", 1:14" and later 1:12" twist barrels. Today, most military rifles are the shorter M4 design with a 14.5" barrel with a 1:7" twist rate. The faster twist rate is important for a variety of military bullet weights from 62 to 77 grains.

The main differences between the 5.56 NATO and the 223 Remington is the operating pressure and chamber throat. SAAMI (Sporting Arms and Ammunition Manufacturers Institute) maximum pressure for the 223 Remington is 55,000 psi. The 5.56 NATO is loaded to 60,000 psi. Chamber throat for the 223 Remington is shorter than 5.56 NATO chambers as well.

Firing 223 Remington ammunition in a 5.56 NATO chamber is common though the longer throat length of the 5.56 may cause some pressure degradation. On rare occurrence, particularly with light for caliber bullets a failure to cycle may occur in an MSR (Modern Sporting Rifle). It is not recommended to shoot 5.56 NATO ammunition in a 223 Remington chamber. Firing 5.56 NATO (higher pressure) in a 223 Remington (shorter throat) rifle can cause pressure related damage that could lead to injury.

The loads presented in this Handbook are intended specifically for 5.56 NATO chambers. If you are unsure whether your rifle is chambered in 223 Remington or 5.56 NATO please contact the manufacturer. Note: with modular AR-15 style rifles, the lower receiver's cartridge designation may not match the upper receiver's chambering. Many times the chambering and barrel twist rate is marked on the barrel itself.

55 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:

0.157
0.224"



55 gr. GMX®
Item No. 22273
C.O.L.: 2.200"
G1 B.C.: 0.245

VELOCITY (FPS – feet per second)						
POWDER	2800	2900	3000	3100	3200	3250
AR-Comp	19.8 gr.	20.9 gr.	22.1 gr.	23.3 gr.	24.4 gr.	
Accurate 2230	20.5 gr.	21.5 gr.	22.5 gr.	23.5 gr.	24.5 gr.	
H4895	21.1 gr.	22.1 gr.	23.1 gr.	24.1 gr.	25.1 gr.	
NORMA 201	21.8 gr.	22.6 gr.	23.4 gr.	24.2 gr.	25.1 gr.	25.5 gr.
IMR 8208 XBR	20.2 gr.	21.6 gr.	23.1 gr.	24.5 gr.		
TAC	21.5 gr.	22.5 gr.	23.5 gr.	24.5 gr.	25.6 gr.	
BL-C(2)	22.3 gr.	23.4 gr.	24.6 gr.	25.7 gr.	26.9 gr.	27.5 gr.
WIN 748	22.7 gr.	23.7 gr.	24.7 gr.	25.7 gr.	26.6 gr.	
Accurate 2520	22.3 gr.	23.5 gr.	24.6 gr.	25.8 gr.	26.9 gr.	27.5 gr.
CFE 223	22.8 gr.	23.9 gr.	24.9 gr.	25.9 gr.	27.0 gr.	27.5 gr.
Power Pro Varmint	22.7 gr.	23.8 gr.	24.9 gr.	26.0 gr.	27.1 gr.	

60-62 GRAIN BULLETS

SECTIONAL DENSITY: 0.171-0.177
DIAMETER: 0.224"



60 gr. V-MAX®
Item No. 22281
C.O.L.: 2.250"
G1 B.C.: 0.265



62 gr. FMJ-BT W/C
Item No. 22760B
C.O.L.: 2.229"
G1 B.C.: 0.274

VELOCITY (FPS – feet per second)						
POWDER	2700	2800	2900	3000	3100	3150
AR-Comp	17.6 gr.	19.3 gr.	21.1 gr.	22.8 gr.	24.6 gr.	
H322	20.0 gr.	21.1 gr.	22.2 gr.	23.3 gr.		
Accurate 2230	20.5 gr.	21.5 gr.	22.5 gr.	23.6 gr.		
H335	21.2 gr.	22.2 gr.	23.3 gr.	24.4 gr.	25.4 gr.	
IMR 8208 XBR	21.8 gr.	22.6 gr.	23.5 gr.	24.4 gr.		
TAC	21.4 gr.	22.5 gr.	23.6 gr.	24.7 gr.		
NORMA 201	21.9 gr.	22.8 gr.	23.7 gr.	24.7 gr.	25.6 gr.	
Accurate 2520	21.7 gr.	22.9 gr.	24.1 gr.	25.3 gr.	26.5 gr.	27.1 gr.
Power Pro Varmint	22.9 gr.	23.8 gr.	24.7 gr.	25.6 gr.	26.5 gr.	26.9 gr.
WIN 748	22.5 gr.	23.6 gr.	24.7 gr.	25.7 gr.		
CFE 223	23.5 gr.	24.5 gr.	25.4 gr.	26.3 gr.	27.2 gr.	27.7 gr.
BL-C(2)	23.6 gr.	24.6 gr.	25.5 gr.	26.5 gr.	27.4 gr.	27.9 gr.

68 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:

0.194
0.224"



68 gr. BTHP Match™

Item No. 2278
C.O.L.: 2.250"
G1 B.C.: 0.355

POWDER	VELOCITY (FPS – feet per second)					
	2600	2700	2800	2900	3000	3050
VIHT N-135	20.1 gr.	21.1 gr.	22.1 gr.	23.1 gr.		
AR-Comp	20.4 gr.	21.4 gr.	22.5 gr.	23.5 gr.		
IMR 8208 XBR	21.3 gr.	22.2 gr.	23.1 gr.	24.1 gr.		
NORMA 201	21.4 gr.	22.3 gr.	23.2 gr.	24.1 gr.	25.1 gr.	
H4895	20.8 gr.	21.9 gr.	23.1 gr.	24.3 gr.		
VARGET	21.8 gr.	22.9 gr.	24.0 gr.	25.1 gr.		
BL-C(2)	22.7 gr.	23.6 gr.	24.5 gr.	25.4 gr.	26.3 gr.	26.8 gr.
WIN 748	22.7 gr.	23.6 gr.	24.5 gr.	25.4 gr.		
Power Pro Varmint	22.6 gr.	23.6 gr.	24.6 gr.	25.6 gr.	26.6 gr.	
CFE 223	23.3 gr.	24.2 gr.	25.1 gr.	26.0 gr.	26.9 gr.	
Accurate 2520	21.6 gr.	23.2 gr.	24.9 gr.	26.6 gr.		

70 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:

0.199
0.224"



70 gr. GMX®

Item No. 2281
C.O.L.: 2.250"
G1 B.C.: 0.350

POWDER	VELOCITY (FPS – feet per second)					
	2700	2800	2900	2950	3000	3050
IMR 8208 XBR	22.1 gr.	23.1 gr.	24.2 gr.			
H4895	22.1 gr.	23.2 gr.				
NORMA 201	22.4 gr.	23.3 gr.	24.2 gr.			
Accurate 2520	22.9 gr.	24.1 gr.	25.4 gr.			
VIHT N-140	23.0 gr.	24.1 gr.				
VARGET	23.0 gr.	24.1 gr.				
WIN 748	23.4 gr.	24.4 gr.	25.5 gr.			
Power Pro Varmint	23.5 gr.	24.5 gr.	25.4 gr.	25.9 gr.	26.4 gr.	
CFE 223	23.6 gr.	24.6 gr.	25.6 gr.	26.1 gr.	26.6 gr.	27.1 gr.
BL-C(2)	23.7 gr.	25.1 gr.	26.4 gr.	27.0 gr.		

NOTE: #2281 will not stabilize in 1-8" and slower twist barrels.

73-75 GRAIN BULLETS

SECTIONAL DENSITY: 0.208-0.214
DIAMETER: 0.224"

5.56mm NATO



73 gr. ELD® Match
Item No. 22774
C.O.L.: 2.250"
G1 B.C.: 0.398
G7 B.C.: 0.200



75 gr. A-MAX® (Discontinued)
Item No. 22792
C.O.L.: 2.390"
G1 B.C.: 0.435



75 gr. ELD® Match
Item No. 22791
C.O.L.: 2.390"
G1 B.C.: 0.467
G7 B.C.: 0.235



75 gr. BTHP Match™
Item No. 2279
C.O.L.: 2.250"
G1 B.C.: 0.395

POWDER	VELOCITY (FPS – feet per second)					
	2500	2600	2700	2800	2850	2900
TAC		20.3 gr.	22.1 gr.	23.8 gr.		
IMR 8208 XBR	20.9 gr.	21.9 gr.	22.8 gr.			
Alliant RL-15	20.7 gr.	21.9 gr.	23.1 gr.	24.3 gr.	24.9 gr.	
Accurate 2520	21.2 gr.	22.3 gr.	23.5 gr.	24.6 gr.		
NORMA 203 B	21.6 gr.	22.5 gr.	23.5 gr.	24.4 gr.	24.9 gr.	
VARGET	21.8 gr.	22.8 gr.	23.7 gr.	24.6 gr.		
VIHT N-140	21.7 gr.	22.7 gr.	23.8 gr.	24.8 gr.		
Power Pro Varmint	22.0 gr.	23.0 gr.	23.9 gr.	24.9 gr.	25.4 gr.	
WIN 748	22.4 gr.	23.3 gr.	24.2 gr.	25.1 gr.	25.5 gr.	
CFE 223	22.2 gr.	23.2 gr.	24.3 gr.	25.4 gr.	25.9 gr.	26.5 gr.
BL-C(2)	22.5 gr.	23.5 gr.	24.5 gr.	25.5 gr.	26.0 gr.	

NOTE: It is recommended to use a 1-8" twist barrel or faster for #22791 and #22792.

80 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:

0.228
0.224"



80 gr. A-MAX® (Discontinued)

Item No. 22832

C.O.L.: 2.390"

G1 B.C.: 0.453



80 gr. ELD® Match

Item No. 22831

C.O.L.: 2.390"

G1 B.C.: 0.485

G7 B.C.: 0.244

POWDER	VELOCITY (FPS – feet per second)					
	2400	2500	2600	2700	2750	2800
AR-Comp		19.9 gr.	21.2 gr.	22.5 gr.	23.2 gr.	
H4895	20.3 gr.	21.1 gr.	22.0 gr.	22.8 gr.		
Alliant RL-15	20.1 gr.	21.3 gr.	22.4 gr.	23.6 gr.	24.1 gr.	
Accurate 2520	20.4 gr.	21.5 gr.	22.6 gr.	23.7 gr.	24.2 gr.	
NORMA 203 B	20.8 gr.	21.8 gr.	22.8 gr.	23.7 gr.	24.2 gr.	24.7 gr.
VARGET	20.8 gr.	21.9 gr.	22.9 gr.	23.9 gr.	24.4 gr.	
VIHT N-140	20.9 gr.	22.0 gr.	23.1 gr.	24.1 gr.	24.7 gr.	
Power Pro Varmint	21.5 gr.	22.5 gr.	23.4 gr.	24.4 gr.	24.9 gr.	25.4 gr.
WIN 748	21.9 gr.	22.8 gr.	23.7 gr.	24.5 gr.	25.0 gr.	
CFE 223	21.7 gr.	22.7 gr.	23.7 gr.	24.8 gr.	25.3 gr.	25.9 gr.
BL-C(2)	22.4 gr.	23.2 gr.	24.1 gr.	24.9 gr.	25.3 gr.	25.7 gr.

NOTE: It is recommended to use a 1-8" twist barrel or faster for #22831 and #22832.

88-90 GRAIN BULLETS

SECTIONAL DENSITY: 0.251-0.256
DIAMETER: 0.224"

5.56mm NATO



88 gr. ELD® Match

Item No. 22834
C.O.L.: 2.390"
G1 B.C.: 0.545
G7 B.C.: 0.274



90 gr. A-Tip® Match

Item No. 2286
C.O.L.: 2.390"
G1 B.C.: 0.585
G7 B.C.: 0.295

POWDER	VELOCITY (FPS – feet per second)						
	2400	2500	2550	2600	2650	2700	2750
Benchmark	19.7 gr.	20.6 gr.	21.1 gr.				
H4895	19.7 gr.	20.6 gr.	21.1 gr.				
VIHT N-530	19.9 gr.	20.8 gr.	21.2 gr.				
IMR 8208 XBR	19.4 gr.	20.7 gr.	21.4 gr.	22.0 gr.			
VARGET	20.9 gr.	21.8 gr.	22.2 gr.	22.7 gr.	23.1 gr.	23.5 gr.	
Accurate 2520	20.0 gr.	21.5 gr.	22.3 gr.	23.0 gr.	23.7 gr.	24.5 gr.	
Alliant RL-15	20.8 gr.	21.9 gr.	22.4 gr.	22.9 gr.	23.4 gr.		
VIHT N-140	20.2 gr.	21.7 gr.	22.5 gr.	23.3 gr.	24.1 gr.		
NORMA 203 B	21.4 gr.	22.2 gr.	22.6 gr.	23.0 gr.	23.5 gr.		
Power Pro Varmint	20.8 gr.	22.1 gr.	22.7 gr.	23.3 gr.	24.0 gr.	24.6 gr.	
Shooter's World Precision	21.2 gr.	22.5 gr.	23.2 gr.	23.8 gr.			
CFE 223	21.8 gr.	22.8 gr.	23.4 gr.	23.9 gr.	24.5 gr.	25.0 gr.	
WIN 748	22.3 gr.	23.2 gr.	23.6 gr.	24.0 gr.	24.4 gr.	24.8 gr.	25.2 gr.
BL-C(2)	22.2 gr.	23.3 gr.	23.9 gr.	24.5 gr.	25.1 gr.	25.7 gr.	

NOTE: A 1:7" twist is recommended for #22834 and #2286.