

223 Winchester Super Short Magnum

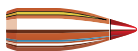
Rifle: Browning A-Bolt/Custom	Bullet Diameter: 0.224"
Barrel: 26", 1 in 8" Twist	Maximum COL: 2.360"
Case: Winchester 300 WSM/Reformed	Max. Case Length: 1.670"
Primer: Winchester WLR	Case Trim Length: 1.660"

The 223 Winchester Super Short Magnum is the fastest, and quite possibly the homeliest, cartridge listed in this handbook. It is based on Winchester's WSM cartridge series and is the most drastic "necking down" of a 404 Jeffery class case we have seen, commercially speaking.

Cases were created by reforming 300 WSM cases which resulted in thick case walls that light powder charges didn't always expand completely, allowing some gas leakage back into the chamber, which blackened the cases. However, this should not be a problem with factory 223 WSSM cases. Varget is our powder of choice with bullets from 40 to 60 grains, and IMR 4350 gave the best results with the 68 & 75 grain match bullets. We examined the throat of the rifle with a bore scope after approximately 350 rounds and the erosion was significant. This cartridge is hard on barrels.

We built our test rifle before final dimensions were sent to SAAMI and commercial brass was available. It is important that you start low and approach maximum loads with caution. We found that signs of excessive pressure came on with very little warning.

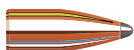
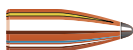
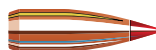
40 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:0.114
0.224"**40 gr. V-MAX®**Item No. 22241
C.O.L.: 2.200"
G1 B.C.: 0.200

POWDER	VELOCITY (FPS – feet per second)					
	4100	4200	4300	4400	4500	4600
Accurate 2495	37.4 gr.	38.6 gr.	39.8 gr.	41.0 gr.		
H4895	38.8 gr.	40.1 gr.	41.3 gr.	42.6 gr.		
IMR 4064	40.4 gr.	41.4 gr.	42.2 gr.	43.3 gr.	44.2 gr.	45.2 gr.
Alliant RL-15	41.7 gr.	42.8 gr.	43.8 gr.	44.7 gr.	45.8 gr.	
VIHT N-150	40.9 gr.	42.2 gr.	43.5 gr.	44.8 gr.	46.1 gr.	
VARGET	41.8 gr.	43.0 gr.	44.1 gr.	45.3 gr.		

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50 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:0.142
0.224"**50 gr. SP**Item No. 2245
C.O.L.: 2.175"
G1 B.C.: 0.214**50 gr. SP SX™**Item No. 2240
C.O.L.: 2.175"
G1 B.C.: 0.214**50 gr. V-MAX®**Item No. 22261
C.O.L.: 2.220"
G1 B.C.: 0.242

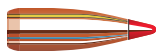
POWDER	VELOCITY (FPS – feet per second)				
	3700	3800	3900	4000	4100
Accurate 2495	33.8 gr.	35.3 gr.	36.8 gr.		
H4895	35.6 gr.	36.9 gr.	38.3 gr.	39.6 gr.	
IMR 4064	36.9 gr.	38.1 gr.	39.3 gr.	40.5 gr.	
VIHT N-150	36.9 gr.	38.4 gr.	39.8 gr.	41.3 gr.	42.7 gr.
Alliant RL-15	38.0 gr.	39.2 gr.	40.4 gr.	41.6 gr.	
VARGET	38.0 gr.	39.3 gr.	40.4 gr.	41.7 gr.	
BIG GAME	40.7 gr.	42.2 gr.	43.8 gr.	45.3 gr.	46.8 gr.

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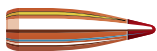
52-53 GRAIN BULLETS

SECTIONAL DENSITY: 0.148-0.151
DIAMETER: 0.224"

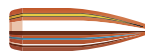
223 Winchester Super Short Magnum



52 gr. A-MAX® (Discontinued)
Item No. 22492
C.O.L.: 2.220"
G1 B.C.: 0.247



52 gr. ELD® Match
Item No. 22491
C.O.L.: 2.220"
G1 B.C.: 0.247



52 gr. BTHP Match™
Item No. 2249
C.O.L.: 2.175"
G1 B.C.: 0.229



53 gr. HP Match™
Item No. 2250
C.O.L.: 2.175"
G1 B.C.: 0.218



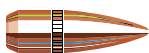
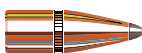
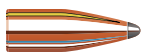
53 gr. V-MAX®
Item No. 22265
C.O.L.: 2.220"
G1 B.C.: 0.290

POWDER	VELOCITY (FPS – feet per second)				
	3500	3600	3700	3800	3900
Accurate 2495	31.1 gr.	32.7 gr.	34.3 gr.	35.9 gr.	
H4895	32.5 gr.	33.9 gr.	35.4 gr.	36.9 gr.	
IMR 4064	33.4 gr.	34.7 gr.	36.0 gr.	37.3 gr.	38.6 gr.
VIHT N-150	33.0 gr.	34.6 gr.	36.2 gr.	37.7 gr.	39.3 gr.
Alliant RL-15	34.5 gr.	35.8 gr.	37.1 gr.	38.5 gr.	39.8 gr.
VARGET	34.9 gr.	36.3 gr.	37.6 gr.	39.0 gr.	40.4 gr.
BIG GAME	36.1 gr.	37.9 gr.	39.8 gr.	41.6 gr.	43.5 gr.

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NOTE: The 53 grain V-MAX® bullet will not stabilize in a 1-14" and slower twist Bbls.

55 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:0.157
0.224"**55 gr. FMJ-BT with cannelure**Item No. 2267
C.O.L.: 2.175"
G1 B.C.: 0.243**55 gr. SP with cannelure**Item No. 2266
C.O.L.: 2.175"
G1 B.C.: 0.235**55 gr. SP**Item No. 2265
C.O.L.: 2.175"
G1 B.C.: 0.235**55 gr. SP SX™**Item No. 2260
C.O.L.: 2.175"
G1 B.C.: 0.235**55 gr. V-MAX®**Item No. 22271
C.O.L.: 2.200"
G1 B.C.: 0.255

VELOCITY (FPS – feet per second)

POWDER	3500	3600	3700	3800	3900
Accurate 2495	32.6 gr.	34.0 gr.	35.4 gr.	36.8 gr.	
H4895	33.3 gr.	34.8 gr.	36.2 gr.	37.7 gr.	
IMR 4064	34.4 gr.	35.7 gr.	37.0 gr.	38.3 gr.	39.6 gr.
VIHT N-150	34.3 gr.	35.6 gr.	37.4 gr.	38.9 gr.	40.4 gr.
Alliant RL-15	34.7 gr.	36.1 gr.	37.5 gr.	38.9 gr.	40.3 gr.
VARGET	35.5 gr.	36.9 gr.	38.2 gr.	39.6 gr.	41.0 gr.
BIG GAME	37.6 gr.	39.3 gr.	41.0 gr.	42.8 gr.	44.5 gr.

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60 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:0.171
0.224"**60 gr. HP**Item No. 2275
C.O.L.: 2.175"
G1 B.C.: 0.271**60 gr. SP**Item No. 2270
C.O.L.: 2.175"
G1 B.C.: 0.264**60 gr. V-MAX®**Item No. 22281
C.O.L.: 2.200"
G1 B.C.: 0.265

VELOCITY (FPS – feet per second)

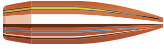
POWDER	3400	3500	3600	3700	3800
Accurate 2495	32.0 gr.	33.5 gr.	34.9 gr.	36.5 gr.	
H4895	32.9 gr.	34.4 gr.	35.9 gr.	37.3 gr.	
IMR 4064	33.8 gr.	35.1 gr.	36.3 gr.	37.6 gr.	38.9 gr.
VIHT N-150	33.2 gr.	34.8 gr.	36.5 gr.	38.2 gr.	39.9 gr.
Alliant RL-15	34.4 gr.	35.8 gr.	37.3 gr.	38.8 gr.	40.2 gr.
VARGET	34.8 gr.	36.3 gr.	37.8 gr.	39.3 gr.	
BIG GAME	36.9 gr.	38.7 gr.	40.6 gr.	42.5 gr.	

Create custom ballistic tables using our online calculators at hornady.com/ballistics**NOTE:** The 60 grain V-MAX® bullet will not stabilize in 1-14" and slower twist Bbls.

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

VELOCITY (FPS – feet per second)						
POWDER	3200	3300	3400	3500	3600	3700
IMR 4064	32.8 gr.	34.2 gr.	35.6 gr.	36.9 gr.	38.3 gr.	
Alliant RL-15	33.6 gr.	35.0 gr.	36.4 gr.	37.8 gr.	39.2 gr.	
VIHT N-150	32.4 gr.	34.1 gr.	35.9 gr.	37.6 gr.	39.3 gr.	
VARGET	33.1 gr.	34.7 gr.	36.2 gr.	37.8 gr.	39.3 gr.	
Accurate 4350	37.7 gr.	39.0 gr.	40.3 gr.	41.5 gr.	42.8 gr.	44.1 gr.
BIG GAME	36.8 gr.	38.4 gr.	39.9 gr.	41.5 gr.	43.0 gr.	
IMR 4350	38.4 gr.	39.7 gr.	41.1 gr.	42.4 gr.	43.7 gr.	45.0 gr.

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NOTE: The 68 grain BTHP bullet will not stabilize in 1-12" and slower twist Bbls.

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.: 0.360
G7 B.C.: 0.190



75 gr. A-MAX® (Discontinued)

Item No. 22792
C.O.L.: 2.300"
G1 B.C.: 0.435



*75 gr. ELD® Match

Item No. 22791
C.O.L.: 2.300"
G1 B.C.: 0.430
G7 B.C.: 0.221



75 gr. BTHP Match™

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

VELOCITY (FPS – feet per second)					
POWDER	3100	3200	3300	3400	3500
IMR 4064	31.7 gr.	33.3 gr.	34.8 gr.		
VIHT N-150	31.9 gr.	33.4 gr.	34.9 gr.		
Alliant RL-15	32.3 gr.	33.8 gr.	35.3 gr.	36.8 gr.	
VARGET	32.6 gr.	34.1 gr.	35.6 gr.		
BIG GAME	35.0 gr.	36.8 gr.	38.5 gr.		
Accurate 4350	35.8 gr.	37.2 gr.	38.6 gr.	40.1 gr.	41.4 gr.
IMR 4350	36.7 gr.	38.0 gr.	39.4 gr.	40.7 gr.	42.1 gr.

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NOTE: The 75 grain bullets will not stabilize in 1-10" and slower twist Bbls.