

7mm PRC

Rifle:	Test Barrel	Bullet Diameter:	0.284"
Barrel:	24", 1 in 8" Twist	Maximum COL:	3.340"
Case:	Hornady	Max. Case Length:	2.280"
Primer:	Federal 215	Case Trim Length:	2.270"

Released as a new product for 2023, the 7mm PRC is an efficient, capable, and balanced 7mm magnum. The Ballistic Development Group (BDG) at Hornady drew from years of cartridge design experience to develop this high-performance cartridge. It quickly became a favorite for ELR (extreme long-range) shooters and hunters looking for extended range capabilities.

The modern design of the 7mm PRC provides several advantages over existing cartridges. It was designed ground up to have inherently accurate chamber geometry, an efficient case shape, and appropriate overall length. These attributes, coupled with a standard 1:8" twist rate, mean the 7mm PRC is perfectly suited to utilize the 21st century, low drag bullets without seating them too deep into the case.

This balanced design creates a platform that can efficiently use modern propellants that are temperature stable, produce great accuracy, all while maintaining moderate recoil and reasonable barrel life when compared to other, more overbore 7mm magnums on the market.

The parent case for the 7mm PRC is the 375 Ruger. The case length has been shortened to 2.280", but retains the same .532" diameter, non-belted case, and the 30° shoulder that is found on all Precision Rifle Cartridges.

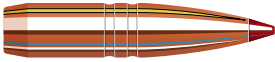
Reloading the 7mm PRC can produce amazing accuracy and consistency. For the target shooter, the 180 grain ELD® Match and 190 grain A-Tip® will be hard to beat. For hunters, the 160 grain CX® and 175 grain ELD-X® provide terrific performance at close and extended range. Slow-burning powders like Alliant Reloder® 23, 25 and 26, Hodgdon® H1000, and Vihtavuori® N165 performed exceptionally well in our testing.

139 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:

0.246
0.284"

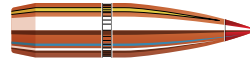
7mm PRC



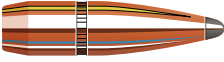
139 gr. CX™
Item No. 282704
C.O.L.: 3.070"
G1 B.C.: 0.429
G7 B.C.: 0.216



139 gr. InterBond®
Item No. 28209
C.O.L.: 3.070"
G1 B.C.: 0.486



139 gr. SST®
Item No. 28202
C.O.L.: 3.070"
G1 B.C.: 0.486



139 gr. InterLock® BTSP
Item No. 2825
C.O.L.: 3.070"
G1 B.C.: 0.453



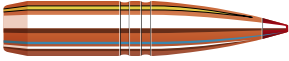
139 gr. InterLock® SP
Item No. 2820
C.O.L.: 3.070"
G1 B.C.: 0.392

POWDER	VELOCITY (FPS – feet per second)					
	3000	3100	3200	3250	3300	3350
H4350	57.0 gr.	59.9 gr.	62.7 gr.			
IMR 4350	57.8 gr.	60.3 gr.	62.7 gr.	64.0 gr.		
Power Pro 4000 MR	60.1 gr.	62.4 gr.	64.6 gr.	65.8 gr.	66.9 gr.	
RL-23	61.4 gr.	63.5 gr.	65.6 gr.	66.7 gr.	67.7 gr.	
IMR 4831	61.4 gr.	63.7 gr.	65.9 gr.	67.0 gr.	68.1 gr.	
RL-22	63.5 gr.	65.4 gr.	67.3 gr.	68.3 gr.	69.2 gr.	
IMR 7828 SSC	62.3 gr.	64.9 gr.	67.5 gr.	68.9 gr.		
H4831 SC	63.3 gr.	66.0 gr.	68.7 gr.	70.0 gr.		
VIHT N-560	65.1 gr.	67.1 gr.	69.0 gr.	70.0 gr.	71.0 gr.	
RL-26	66.2 gr.	68.0 gr.	69.8 gr.	70.7 gr.	71.7 gr.	72.6 gr.
VIHT N-165	66.5 gr.	68.6 gr.	70.6 gr.	71.7 gr.	72.7 gr.	
RL-25	68.0 gr.	70.1 gr.	72.2 gr.	73.2 gr.	74.2 gr.	
MAGPRO	66.8 gr.	69.6 gr.	72.3 gr.	73.7 gr.		

■ INDICATES MAXIMUM LOAD — USE WITH CAUTION

Rifle Data

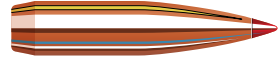
150-154 GRAIN BULLETS

SECTIONAL DENSITY: 0.266-0.273
DIAMETER: 0.284"

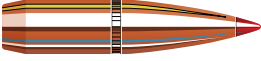
150 gr. CX™
Item No. 28284
C.O.L.: 3.135"
G1 B.C.: 0.455
G7 B.C.: 0.229



150 gr. ELD-X®
Item No. 2826
C.O.L.: 3.135"
G1 B.C.: 0.574
G7 B.C.: 0.289



154 gr. InterBond®
Item No. 28309
C.O.L.: 3.135"
G1 B.C.: 0.525



154 gr. SST®
Item No. 28302
C.O.L.: 3.135"
G1 B.C.: 0.525

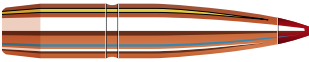


154 gr. InterLock® SP
Item No. 2830
C.O.L.: 3.135"
G1 B.C.: 0.433

VELOCITY (FPS – feet per second)

POWDER	2800	2900	3000	3050	3100	3150
IMR 4831	57.7 gr.	60.3 gr.	62.8 gr.	64.1 gr.	65.4 gr.	
RL-23	58.2 gr.	60.6 gr.	63.0 gr.	64.2 gr.	65.5 gr.	
RL-22	60.1 gr.	62.2 gr.	64.3 gr.	65.4 gr.	66.5 gr.	67.5 gr.
H4831 SC	58.7 gr.	61.4 gr.	64.1 gr.	65.5 gr.		
IMR 7828 SSC	60.3 gr.	62.5 gr.	64.8 gr.	65.9 gr.	67.0 gr.	
VIHT N-560	61.5 gr.	63.5 gr.	65.6 gr.	66.6 gr.	67.6 gr.	68.6 gr.
RL-26	61.7 gr.	63.8 gr.	66.0 gr.	67.0 gr.	68.1 gr.	69.2 gr.
VIHT N-165	61.7 gr.	64.4 gr.	67.0 gr.	68.3 gr.	69.6 gr.	
RL-25	64.3 gr.	66.4 gr.	68.5 gr.	69.5 gr.	70.5 gr.	71.6 gr.

160 GRAIN BULLETS

SECTIONAL DENSITY: 0.286
DIAMETER: 0.284"

160 gr. CX™
Item No. 2837
C.O.L.: 3.290"
G1 B.C.: 0.596

VELOCITY (FPS – feet per second)

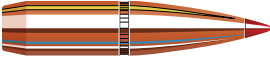
POWDER	2700	2800	2900	3000	3050	3100
IMR 4831	54.8 gr.	57.3 gr.	59.8 gr.	62.3 gr.		
Accurate MAGPRO	60.0 gr.	62.8 gr.	65.6 gr.	68.4 gr.		
Power Pro 4000 MR	54.8 gr.	57.3 gr.	59.9 gr.	62.5 gr.	63.8 gr.	
H4831 SC	56.1 gr.	58.6 gr.	61.2 gr.			
Reloder 22	55.2 gr.	57.9 gr.	60.5 gr.	63.2 gr.	64.5 gr.	
IMR 7828 SSC	56.6 gr.	59.1 gr.	61.5 gr.	64.0 gr.		
IMR 7977	62.8 gr.	64.9 gr.	67.0 gr.	69.2 gr.		
Hodgdon H1000	60.3 gr.	62.6 gr.	64.9 gr.	67.2 gr.	68.4 gr.	69.5 gr.
Reloder 25	58.3 gr.	61.3 gr.	64.2 gr.	67.2 gr.	68.7 gr.	
Reloder 26	58.3 gr.	60.6 gr.	63.0 gr.	65.3 gr.	66.4 gr.	67.6 gr.
StaBALL HD	64.9 gr.	67.2 gr.	69.4 gr.	71.6 gr.	72.7 gr.	
Retumbo	59.3 gr.	61.8 gr.	64.3 gr.	66.8 gr.	68.0 gr.	

■ INDICATES MAXIMUM LOAD — USE WITH CAUTION

162-166 GRAIN BULLETS

SECTIONAL DENSITY: 0.287-0.294
DIAMETER: 0.284"

7mm PRC



162 gr. SST®
Item No. 28452
C.O.L.: 3.070"
G1 B.C.: 0.550



162 gr. ELD® Match
Item No. 28403
C.O.L.: 3.070"
G1 B.C.: 0.670
G7 B.C.: 0.338



162 gr. InterLock® BTSP
Item No. 2845
C.O.L.: 3.070"
G1 B.C.: 0.514



162 gr. ELD-X®
Item No. 2840
C.O.L.: 3.070"
G1 B.C.: 0.631
G7 B.C.: 0.318



166 gr. A-Tip® Match
Item No. 2836
C.O.L.: 3.070"
G1 B.C.: 0.664
G7 B.C.: 0.332

POWDER	VELOCITY (FPS – feet per second)					
	2800	2900	3000	3050	3100	3150
IMR 4831	57.0 gr.	59.5 gr.	62.1 gr.	63.3 gr.		
RL-23	57.9 gr.	60.5 gr.	63.0 gr.			
H4831 SC	58.3 gr.	61.0 gr.	63.8 gr.	65.2 gr.		
RL-22	60.2 gr.	62.2 gr.	64.2 gr.	65.2 gr.	66.2 gr.	
IMR 7828 SSC	59.1 gr.	62.0 gr.	64.9 gr.	66.3 gr.		
VIHT N-560	61.5 gr.	63.6 gr.	65.7 gr.	66.7 gr.	67.7 gr.	
RL-26	61.6 gr.	63.6 gr.	65.7 gr.	66.7 gr.	67.8 gr.	68.8 gr.
VIHT N-165	62.6 gr.	65.0 gr.	67.4 gr.	68.6 gr.		
RL-25	63.1 gr.	65.4 gr.	67.8 gr.	68.9 gr.	70.1 gr.	
H1000	63.8 gr.	66.0 gr.	68.2 gr.	69.3 gr.	70.4 gr.	
MAGPRO	63.2 gr.	65.9 gr.	68.6 gr.	69.9 gr.		
IMR 7977	65.5 gr.	67.2 gr.	68.9 gr.	69.8 gr.		

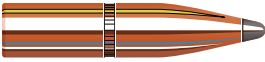
■ INDICATES MAXIMUM LOAD — USE WITH CAUTION

Rifle Data

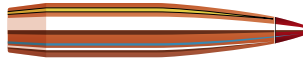
175 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:

0.310
0.284"



175 gr. InterLock® SP
Item No. 2850
C.O.L.: 3.265"
G1 B.C.: 0.462



175 gr. ELD-X®
Item No. 2841
C.O.L.: 3.265"
G1 B.C.: 0.689
G7 B.C.: 0.347

7mm PRC

POWDER	VELOCITY (FPS - feet per second)					
	2600	2700	2800	2900	2950	3000
RL-23	53.8 gr.	56.3 gr.	58.7 gr.	61.2 gr.		
H4831 SC	53.8 gr.	56.7 gr.	59.6 gr.	62.4 gr.	63.9 gr.	
RL-22	55.2 gr.	57.6 gr.	60.1 gr.	62.5 gr.	63.8 gr.	65.0 gr.
IMR 7828 SSC	54.6 gr.	57.3 gr.	60.1 gr.	62.8 gr.	64.2 gr.	
VIHT N-560	56.9 gr.	59.2 gr.	61.5 gr.	63.8 gr.	64.9 gr.	66.0 gr.
RL-26	58.0 gr.	60.3 gr.	62.5 gr.	64.8 gr.	66.0 gr.	67.1 gr.
VIHT N-165	57.6 gr.	60.2 gr.	62.8 gr.	65.5 gr.	66.7 gr.	
H1000	58.6 gr.	61.0 gr.	63.5 gr.	65.9 gr.	67.1 gr.	
RL-25	59.3 gr.	61.6 gr.	63.8 gr.	66.1 gr.	67.2 gr.	68.4 gr.
MAGPRO	58.8 gr.	61.5 gr.	64.2 gr.	66.9 gr.	68.3 gr.	
IMR 7977	60.9 gr.	63.1 gr.	65.3 gr.	67.5 gr.	68.5 gr.	

180 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:

0.319
0.284"



180 gr. ELD® Match
Item No. 28503
C.O.L.: 3.320"
G1 B.C.: 0.796
G7 B.C.: 0.401

POWDER	VELOCITY (FPS - feet per second)					
	2600	2700	2800	2850	2900	2950
RL-23	54.5 gr.	57.4 gr.	60.3 gr.	61.7 gr.		
IMR 7828 SSC	55.3 gr.	58.2 gr.	61.1 gr.	62.6 gr.	64.1 gr.	
H4831 SC	55.8 gr.	58.5 gr.	61.3 gr.	62.7 gr.	64.0 gr.	
RL-26	59.2 gr.	61.5 gr.	63.7 gr.	64.8 gr.	65.9 gr.	67.0 gr.
VIHT N-165	59.3 gr.	62.0 gr.	64.7 gr.	66.0 gr.	67.3 gr.	
H1000	59.8 gr.	62.3 gr.	64.8 gr.	66.1 gr.	67.4 gr.	
IMR 7977	59.9 gr.	62.4 gr.	64.9 gr.	66.1 gr.		
RL-25	60.5 gr.	62.9 gr.	65.4 gr.	66.6 gr.	67.8 gr.	69.0 gr.

■ INDICATES MAXIMUM LOAD — USE WITH CAUTION

Rifle Data

190 GRAIN BULLETS

SECTIONAL DENSITY:
DIAMETER:

0.337
0.284"

7mm PRC



190 gr. A-Tip® Match

Item No. 28506

C.O.L.: 3.320"

G1 B.C.: 0.838

G7 B.C.: 0.422

POWDER	VELOCITY (FPS - feet per second)					
	2500	2600	2700	2800	2850	2900
IMR 4831	51.8 gr.	54.7 gr.	57.6 gr.	60.4 gr.		
RL-23	52.2 gr.	55.2 gr.	58.2 gr.	61.1 gr.		
H4831 SC	53.8 gr.	56.4 gr.	59.1 gr.	61.7 gr.		
IMR 7828 SSC	53.5 gr.	56.4 gr.	59.3 gr.	62.3 gr.		
RL-26	56.6 gr.	59.0 gr.	61.3 gr.	63.7 gr.	64.9 gr.	
VIHT N-560	56.5 gr.	59.0 gr.	61.5 gr.	64.0 gr.	65.2 gr.	
H1000	57.4 gr.	60.0 gr.	62.7 gr.	65.3 gr.	66.7 gr.	
VIHT N-165	56.3 gr.	59.4 gr.	62.5 gr.	65.5 gr.		
RL-25	58.7 gr.	61.1 gr.	63.4 gr.	65.7 gr.	66.8 gr.	68.0 gr.

■ INDICATES MAXIMUM LOAD — USE WITH CAUTION

Rifle Data