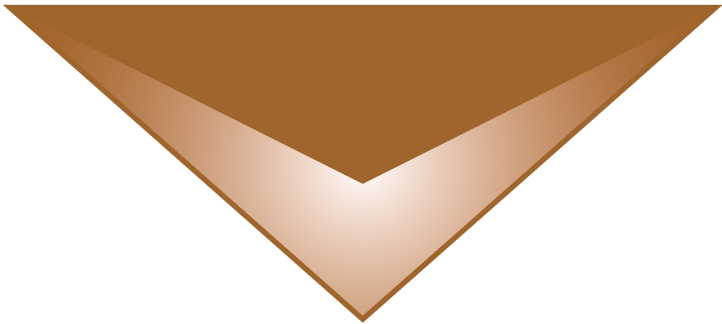


284 Winchester

Case: Winchester	Primer: Fed GM210M
Case Trim: 2.160"	Barrel Length: 24"
Twist Rate: 1:10"	Barrel: Kreiger



*SAAMI specifies a maximum overall length (C.O.A.L.) for this cartridge at 2.800".
*Barnes load data was developed with cartridge overall lengths that are over SAAMI C.O.A.L.
*This Cartridge may be loaded to a slightly longer length if your rifle's magazine and throat are long enough to accommodate the extra length.
*If loading to 2.800" C.O.A.L., lightly crimp case mouth so it contacts the bullet ogive.

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

**Recommended Powder*

^c Compressed Load

284 Winchester



110-grain TTSX FB
Sectional Density .195
Ballistic Coefficient .319
C.O.A.L 2.900"

Suggested Bullet Use



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
*A-2700	54.0	3088	57.5	3299
IMR 4007SSC	53.5	3068	57.0	3273
H414	53.0	3009	56.5	3251
RL 17	53.5	3071	57.0	3317
IMR 4350	56.0	3065	59.5 ^c	3250
Hunter	59.0	3201	62.5	3334
Hybrid 100V	55.0	3076	58.5 ^c	3266

Tipped bullets must be loaded to at least a 2.900" C.O.A.L.



120-grain TSX BT
Sectional Density .213
Ballistic Coefficient .349
C.O.A.L 2.860"

Suggested Bullet Use



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
A-2700	52.5	2974	56.0	3162
*H414	51.5	2886	55.0	3137
RL 17	52.0	2930	55.5	3210
IMR 4350	54.5	2929	58.0 ^c	3144
Hunter	57.5	3070	61.0	3212
Hybrid 100V	52.5	2911	56.0	3140

Tipped bullets must be loaded to at least a 2.900" C.O.A.L.



120-grain TTSX BT
Sectional Density .213
Ballistic Coefficient .373
C.O.A.L 2.900"

Suggested Bullet Use



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

*Recommended Powder

^c Compressed Load

284 Winchester



139-grain LRX BT
Sectional Density .246
Ballistic Coefficient .470
C.O.A.L 2.900"

Suggested Bullet Use



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
A-2700	49.5	2667	53.0	2889
H414	48.5	2648	52.0	2855
*RL 17	49.0	2671	52.5	2920
IMR 4350	51.0	2701	54.5	2909
Hunter	53.5	2766	57.0	2951
Hybrid 100V	49.5	2657	53.0	2898

Tipped bullets must be loaded to at least a 2.900" C.O.A.L.



140-grain TSX BT
Sectional Density .248
Ballistic Coefficient .394
C.O.A.L 2.860"

Suggested Bullet Use



140-grain TTSX BT
Sectional Density .248
Ballistic Coefficient .412
C.O.A.L 2.900"

Suggested Bullet Use



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

*Recommended Powder

° Compressed Load

284 Winchester



145-grain LRX BT
Sectional Density .257
Ballistic Coefficient .486
C.O.A.L 2.900"

Suggested Bullet Use



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
A-2700	47.5	2561	51.0	2775
*RL 17	47.5	2561	51.0	2803
IMR 4350	49.5	2576	53.0	2765
H4350	47.5	2546	51.0	2737
Hunter	51.0	2588	54.5	2798
Hybrid 100V	48.0	2548	51.5	2775

*Tipped bullets must be loaded to at least a 2.900" C.O.A.L.



150-grain TSX BT
Sectional Density .266
Ballistic Coefficient .408
C.O.A.L 2.860"

Suggested Bullet Use



150-grain TTSX BT
Sectional Density .266
Ballistic Coefficient .450
C.O.A.L 2.900"

Suggested Bullet Use



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

*Recommended Powder

^c Compressed Load

284 Winchester



160-grain TSX FB
Sectional Density .283
Ballistic Coefficient .392
C.O.A.L 2.860"

Suggested Bullet Use



Powder	Minimum		Maximum	
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)
A-2700	46.0	2356	49.5	2600
*RL 17	47.0	2469	50.5	2679
IMR 4350	49.0	2465	52.5	2655
H4350	46.5	2486	50.0	2619
Hunter	50.0	2495	53.5	2671
Hybrid 100V	47.5	2412	51.0	2642

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

*Recommended Powder

° Compressed Load