



*A 1:9" or faster twist is recommended for the 175-grain TSX.

*SAAMI specifies a maximum overall length (COAL) for this cartridge at 2.800"; Barnes load data was developed at this COAL. 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" COAL, lightly crimp case mouth so it contacts the bullet ogive.

◆ Indicates most accurate load

.284 Winchester

Bullet Weight: 110 gr **Case Trim Length:** 2.160" **S.D.** 0.195
Bullet Style: TTSX FB **Primer:** Fed 210 **B.C.** 0.319
COAL: 2.900" **Barrel Length:** 24"
Case: W-W **Twist Rate:** 1:10"

Powder	Minimum		Maximum		
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)	Load Density (%)
Hunter	59.0	3201	62.5	3334	97
◆ 2700	54.0	3088	57.5	3299	88

Bullet Weight: 120 gr **Case Trim Length:** 2.160" **S.D.** 0.213
Bullet Style: TSX BT **Primer:** Fed 210 **B.C.** 0.349
COAL: 2.860" **Barrel Length:** 24"
Case: W-W **Twist Rate:** 1:10"

Powder	Minimum		Maximum		
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)	Load Density (%)
Hunter	57.5	3070	61.0	3212	96
◆ H414	51.5	2886	55.0	3137	85

Bullet Weight: 140 gr **Case Trim Length:** 2.160" **S.D.** 0.248
Bullet Style: Banded Spitzer Solid **Primer:** Fed GM210M **B.C.** 0.464
COAL: 2.800" **Barrel Length:** 24"
Case: W-W **Twist Rate:** 1:10"

Bullet Weight: 140 gr **Case Trim Length:** 2.160" **S.D.** 0.248
Bullet Style: TSX BT **Primer:** Fed 210 **B.C.** 0.394
COAL: 2.860" **Barrel Length:** 24"
Case: W-W **Twist Rate:** 1:10"

Bullet Weight: 140 gr **Case Trim Length:** 2.160" **S.D.** 0.248
Bullet Style: MRX BT **Primer:** Fed GM210M **B.C.** 0.406
COAL: 2.800" **Barrel Length:** 24"
Case: W-W **Twist Rate:** 1:10"

Powder	Minimum		Maximum		
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)	Load Density (%)
Hunter	53.5	2766	57.0	2951	93
◆ RL 17	49.0	2671	52.5	2920	91

.284 Winchester

Bullet Weight: 150 gr
Bullet Style: TSX BT
COAL: 2.860"
Case: W-W

Case Trim Length: 2.160"
Primer: Fed 210
Barrel Length: 24"
Twist Rate: 1:10"

S.D. 0.266
B.C. 0.408

Powder	Minimum		Maximum		
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)	Load Density (%)
◆ RL 17	47.5	2561	51.0	2803	90
Hunter	51.0	2588	54.5	2798	91

Bullet Weight: 160 gr
Bullet Style: TSX FB
COAL: 2.860"
Case: W-W

Case Trim Length: 2.160"
Primer: Fed 210
Barrel Length: 24"
Twist Rate: 1:10"

S.D. 0.283
B.C. 0.392

Bullet Weight: 160 gr
Bullet Style: MRX BT
COAL: 2.800"
Case: W-W

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

S.D. 0.283
B.C. 0.439

Powder	Minimum		Maximum		
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)	Load Density (%)
◆ RL 17	47.0	2469	50.5	2679	91
Hunter	50.0	2495	53.5	2671	91

Bullet Weight: 175 gr
Bullet Style: TSX FB
COAL: 2.800"
Case: W-W

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

S.D. 0.310
B.C. 0.417

Powder	Minimum		Maximum		
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)	Load Density (%)
Win 760	43.0	2267	49.5	2490	92
◆ IMR 4831	47.0	2276	50.5	2454	105
