



*The SAAMI spec twist rate for this cartridge is 1:10". This is fine for all bullets except the 62-grain TSX, which requires a 1:9" twist, and the 70-grain TSX, which requires a 1:8" or faster twist.

◆ Indicates most accurate load

.223 WSSM

Bullet Weight: 36 gr **Case Trim Length:** 1.660" **S.D.** 0.102
Bullet Style: Varmint Grenade **Primer:** Fed GM210M **B.C.** 0.149
COAL: 2.100" **Barrel Length:** 24"
Case: Winchester **Twist Rate:** 1:10"

| Powder | Minimum | | Maximum | | |
|----------|-----------------|----------------|-----------------|----------------|------------------|
| | Charge (grains) | Velocity (fps) | Charge (grains) | Velocity (fps) | Load Density (%) |
| H4895 | 40.0 | 4214 | 43.5 | 4493 | 90 |
| Big Game | 47.0 | 4200 | 51.0 | 4496 | 102 |
| RL 15 | 42.0 | 4188 | 46.0 | 4516 | 95 |
| H380 | 47.5 | 4197 | 51.5 | 4489 | 100 |
| Win 760 | 47.5 | 4149 | 52.5 | 4502 | 98 |
| ◆ H414 | 46.5 | 4140 | 51.5 | 4465 | 97 |

Bullet Weight: 45 gr **Case Trim Length:** 1.660" **S.D.** 0.128
Bullet Style: Banded Spitzer **Primer:** Fed GM210M **B.C.** 0.195
COAL: 2.110" **Barrel Length:** 24"
Case: Winchester **Twist Rate:** 1:10"

Bullet Weight: 45 gr **Case Trim Length:** 1.660" **S.D.** 0.128
Bullet Style: TSX FB **Primer:** Fed GM210M **B.C.** 0.188
COAL: 2.110" **Barrel Length:** 24"
Case: Winchester **Twist Rate:** 1:10"

| Powder | Minimum | | Maximum | | |
|----------|-----------------|----------------|-----------------|----------------|------------------|
| | Charge (grains) | Velocity (fps) | Charge (grains) | Velocity (fps) | Load Density (%) |
| H4895 | 37.0 | 3846 | 42.0 | 4202 | 87 |
| Varget | 38.5 | 3819 | 43.5 | 4193 | 90 |
| IMR 4064 | 38.5 | 3822 | 43.5 | 4239 | 92 |
| Big Game | 44.0 | 3878 | 49.0 | 4208 | 98 |
| RL 15 | 39.0 | 3855 | 43.5 | 4200 | 90 |
| ◆ H380 | 44.0 | 3889 | 48.5 | 4201 | 94 |

Bullet Weight: 50 gr **Case Trim Length:** 1.660" **S.D.** 0.142
Bullet Style: Varmint Grenade **Primer:** Fed GM210M **B.C.** 0.183
COAL: 2.100" **Barrel Length:** 24"
Case: Winchester **Twist Rate:** 1:10"

| Powder | Minimum | | Maximum | | |
|------------|-----------------|----------------|-----------------|----------------|------------------|
| | Charge (grains) | Velocity (fps) | Charge (grains) | Velocity (fps) | Load Density (%) |
| H414 | 42.5 | 3799 | 46.5 | 4028 | 90 |
| Vit N550 | 41.0 | 3827 | 45.0 | 4022 | 90 |
| ◆ IMR4350 | 42.0 | 3720 | 46.0 | 4005 | 99 |
| Hybrid100V | 43.5 | 3805 | 47.5 | 4099 | 105 |
| ◆ Hunter | 45.5 | 3774 | 49.5 | 4042 | 97 |
| ◆ RL19 | 46.0 | 3648 | 50.0 | 3888 | 105 |

Bullet Weight: 50 gr
Bullet Style: TSX FB
COAL: 2.090"
Case: Winchester

Case Trim Length: 1.660"
Primer: Fed 210
Barrel Length: 24"
Twist Rate: 1:10"

S.D. 0.142
B.C. 0.197

| Powder | Minimum | | Maximum | | |
|-------------|-----------------|----------------|-----------------|----------------|------------------|
| | Charge (grains) | Velocity (fps) | Charge (grains) | Velocity (fps) | Load Density (%) |
| AA 2700 | 45.5 | 3831 | 49.5 | 4089 | 94 |
| H414 | 45.0 | 3805 | 49.0 | 4050 | 93 |
| RL 17 | 43.5 | 3799 | 47.5 | 4093 | 98 |
| ♦ IMR 4350 | 44.0 | 3785 | 49.0 | 4056 | 104 |
| Hunter | 46.5 | 3779 | 50.5 | 4078 | 98 |
| Hybrid 100V | 45.0 | 3767 | 49.0 | 4077 | 107 |

Bullet Weight: 53 gr
Bullet Style: TSX FB
COAL: 2.110"
Case: Winchester

Case Trim Length: 1.660"
Primer: Fed GM210M
Barrel Length: 24"
Twist Rate: 1:10"

S.D. 0.151
B.C. 0.204

| Powder | Minimum | | Maximum | | |
|------------|-----------------|----------------|-----------------|----------------|------------------|
| | Charge (grains) | Velocity (fps) | Charge (grains) | Velocity (fps) | Load Density (%) |
| H4895 | 34.5 | 3610 | 38.5 | 3852 | 82 |
| Varget | 36.5 | 3639 | 40.5 | 3913 | 86 |
| IMR 4064 | 36.5 | 3638 | 41.0 | 3937 | 89 |
| ♦ Big Game | 41.5 | 3615 | 46.5 | 3934 | 95 |
| RL 15 | 36.5 | 3617 | 40.5 | 3904 | 86 |
| H380 | 42.0 | 3671 | 46.0 | 3931 | 91 |

Bullet Weight: 55 gr
Bullet Style: MPG
COAL: 2.160"
Case: Winchester

Case Trim Length: 1.660"
Primer: Fed GM210M
Barrel Length: 24"
Twist Rate: 1:10"

S.D. 0.157
B.C.

| Powder | Minimum | | Maximum | | |
|------------|-----------------|----------------|-----------------|----------------|------------------|
| | Charge (grains) | Velocity (fps) | Charge (grains) | Velocity (fps) | Load Density (%) |
| H414 | 42.0 | 3628 | 46.0 | 3877 | 89 |
| Vit N550 | 40.0 | 3609 | 44.0 | 3913 | 89 |
| ♦ IMR4350 | 41.5 | 3625 | 45.5 | 3886 | 99 |
| Hybrid100V | 42.5 | 3685 | 46.5 | 3951 | 104 |
| Hunter | 44.5 | 3610 | 48.5 | 3871 | 96 |
| RL19 | 45.5 | 3530 | 49.5 | 3782 | 105 |

Bullet Weight: 55 gr
 Bullet Style: TSX FB
 COAL: 2.090"
 Case: Winchester

Case Trim Length: 1.660"
 Primer: Fed 210
 Barrel Length: 24"
 Twist Rate: 1:10"

S.D. 0.157
 B.C. 0.209

| Powder | Minimum | | Maximum | | |
|----------|-----------------|----------------|-----------------|----------------|------------------|
| | Charge (grains) | Velocity (fps) | Charge (grains) | Velocity (fps) | Load Density (%) |
| AA 2700 | 44.0 | 3674 | 48.0 | 3928 | 93 |
| H414 | 43.0 | 3629 | 47.0 | 3869 | 90 |
| ♦ RL 17 | 42.0 | 3689 | 46.0 | 3962 | 96 |
| IMR 4350 | 42.5 | 3638 | 46.5 | 3872 | 100 |
| Hunter | 45.0 | 3626 | 49.0 | 3932 | 96 |
| Hybrid | 43.5 | 3672 | 47.5 | 3941 | 105 |

Bullet Weight: 62 gr
 Bullet Style: TSX BT
 COAL: 2.180"
 Case: Winchester

Case Trim Length: 1.660"
 Primer: Fed GM210M
 Barrel Length: 24"
 Twist Rate: 1:10"

S.D. 0.177
 B.C. 0.287

| Powder | Minimum | | Maximum | | |
|----------|-----------------|----------------|-----------------|----------------|------------------|
| | Charge (grains) | Velocity (fps) | Charge (grains) | Velocity (fps) | Load Density (%) |
| H4895 | 33.5 | 3346 | 37.5 | 3612 | 80 |
| ♦ Varget | 34.5 | 3377 | 38.5 | 3628 | 82 |
| IMR 4064 | 35.0 | 3353 | 39.0 | 3652 | 85 |
| IMR 4320 | 35.5 | 3314 | 39.5 | 3614 | 82 |
| Big Game | 39.0 | 3342 | 44.0 | 3677 | 91 |
| RL 15 | 35.0 | 3369 | 39.0 | 3642 | 83 |

.223 WSSM

Bullet Weight: 70 gr
 Bullet Style: TSX BT
 COAL: 2.180"
 Case: Winchester

Case Trim Length: 1.660"
 Primer: Fed GM210M
 Barrel Length: 24"
 Twist Rate: 1:10"

S.D. 0.199
 B.C. 0.314

| Powder | Minimum | | Maximum | | |
|------------|-----------------|----------------|-----------------|----------------|------------------|
| | Charge (grains) | Velocity (fps) | Charge (grains) | Velocity (fps) | Load Density (%) |
| ♦ H414 | 40.5 | 3333 | 44.5 | 3582 | 88 |
| Vit N550 | 39.0 | 3328 | 43.0 | 3608 | 89 |
| IMR4350 | 40.5 | 3323 | 44.5 | 3597 | 99 |
| Hybrid100V | 41.0 | 3406 | 45.0 | 3672 | 103 |
| Hunter | 42.5 | 3295 | 46.5 | 3564 | 94 |
| RL19 | 44.0 | 3227 | 48.0 | 3500 | 105 |