



\*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