



*The 200-grain TSX will not stabilize in barrels with a 1:12" twist. For this bullet, a 1:10" or faster twist is required.

*The 130-grain TSX has a very short shank; we recommend lightly crimping the case mouth with a factory crimp-style die to increase neck tension.

*Powder charges of less than 100 percent density are recommended when loading 165-grain Banded Spitzers, because of the length of the bullets.

- ♦ Indicates most accurate load

.308 Winchester

Bullet Weight: 110 gr Case Trim Length: 2.005" S.D. 0.166
 Bullet Style: TSX FB Primer: Fed 210 B.C. 0.264
 COAL: 2.700" Barrel Length: 24"
 Case: R-P Twist Rate: 1:12"

Powder	Minimum		Maximum		
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)	Load Density (%)
IMR 4198	39.5	3137	43.5	3429	99
RL 7	42.5	3169	46.5	3465	97
Benchmark	48.5	3313	52.5	3510	104
H322	47.0	3276	51.0	3485	104
X-Terminator	49.5	3336	53.5	3546	101
A-2230	50.5	3425	54.5	3586	100
RL 10X	44.0	3221	48.0	3513	99
A-2460	52.5	3374	56.5	3572	106
H335	51.0	3342	55.0	3580	99
TAC	53.0	3325	57.0	3511	105

Bullet Weight: 130 gr Case Trim Length: 2.005" S.D. 0.196
 Bullet Style: TSX BT Primer: Federal 210 B.C. 0.340
 COAL: 2.810" Barrel Length: 24"
 Case: Winchester Twist Rate: 1:12"

Powder	Minimum		Maximum		
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)	Load Density (%)
IMR 3031	45.0	2972	49.0	3174	107
Benchmark	43.5	2905	46.5	3072	92
AA 2230	45.0	2962	48.5	3141	89
Win 748	49.5	3022	55.0	3222	101
RL 10X	41.5	2903	45.5	3143	94
BL-C(2)	50.0	2995	56.0	3235	101
AA 2460	45.0	2957	51.0	3221	95
H335	45.5	2928	50.0	3158	89
TAC	45.5	2911	50.0	3139	92
H4895	46.5	2970	50.0	3183	103
Varget	47.5	2946	52.0	3159	106

Bullet Weight: 140 gr Case Trim Length: 2.005" S.D. 0.211
 Bullet Style: MPG FB Primer: Fed 210 B.C. 0.339
 COAL: 2.800" Barrel Length: 24"
 Case: R-P Twist Rate: 1:12"

Powder	Minimum		Maximum		
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)	Load Density (%)
Benchmark	41.5	2781	45.5	3016	101
H322	40.5	2755	44.5	2978	102
X-Terminator	41.5	2739	45.5	3000	96
A-2230	42.5	2808	46.5	3045	96
RL 10X	37.5	2660	41.5	2939	96
Win 748	45.5	2838	49.5	3053	101
BL-C(2)	48.0	2933	52.0	3109	105
A-2460	40.5	2721	44.5	2996	93
H335	41.5	2728	45.5	3007	91
TAC	44.0	2760	48.0	3030	98

.308 Winchester

Bullet Weight: 150 gr Case Trim Length: 2.005" S.D. 0.226
Bullet Style: TSX BT Primer: Federal 210 B.C. 0.369
COAL: 2.810" Barrel Length: 24"
Case: Winchester Twist Rate: 1:12"

Bullet Weight: 150 gr Case Trim Length: 2.005" S.D. 0.226
Bullet Style: MRX BT Primer: Federal 210 B.C. 0.420
COAL: 2.785" Barrel Length: 24"
Case: Winchester Twist Rate: 1:12"

Powder	Minimum		Maximum		
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)	Load Density (%)
IMR 3031	41.5	2691	44.5	2,866	103
AA 2230	41.0	2682	44.5	2,866	87
Win 748	44.5	2720	48.0	2,926	94
BL-C(2)	46.5	2775	50.0	2,980	96
AA 2460	42.0	2674	45.0	2,859	89
H 335	42.0	2644	45.5	2,888	87
TAC	41.5	2644	45.5	2,851	89
♦ H4895	42.5	2701	45.0	2,854	99
IMR 4895	43.5	2648	46.5	2,833	102
Varget	43.5	2681	48.0	2,912	105
AA 2520	47.0	2736	51.5	2,964	101
IMR 4320	44.0	2620	47.5	2,826	101
RL 15	44.0	2733	48.0	2,935	105

Bullet Weight: 165 gr Case Trim Length: 2.005" S.D. 0.248
Bullet Style: TSX BT Primer: Federal 210 B.C. 0.380
COAL: 2.810" Barrel Length: 24"
Case: Winchester Twist Rate: 1:12"

Bullet Weight: 165 gr Case Trim Length: 2.005" S.D. 0.248
Bullet Style: MRX BT Primer: Federal 210 B.C. 0.439
COAL: 2.785" Barrel Length: 24"
Case: Winchester Twist Rate: 1:12"

Bullet Weight: 165 gr Case Trim Length: 2.005" S.D. 0.248
Bullet Style: Banded Solid Spitzer Primer: Federal 210 B.C. 0.438
COAL: 2.810" Barrel Length: 24"
Case: Winchester Twist Rate: 1:12"

Bullet Weight: 168 gr Case Trim Length: 2.005" S.D. 0.253
Bullet Style: TSX BT Primer: Federal 210 B.C. 0.404
COAL: 2.810" Barrel Length: 24"
Case: Winchester Twist Rate: 1:12"

Powder	Minimum		Maximum		
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)	Load Density (%)
IMR 3031	38.5	2438	42.0	2659	99
Win 748	41.5	2514	45.0	2723	89
BL-C(2)	42.0	2473	45.5	2724	89
TAC	40.5	2494	43.0	2653	86
H4895	40.0	2491	43.5	2693	97
♦ IMR 4895	41.5	2491	44.0	2657	98
Varget	41.0	2475	45.5	2712	101
IMR 4064	42.0	2476	46.0	2720	107
AA 2520	43.5	2494	48.5	2738	95
IMR 4320	42.0	2458	45.0	2635	98
RL 15	41.0	2540	45.0	2755	100
H414	47.0	2601	51.0	2758	103

Bullet Weight: 180 gr Case Trim Length: 2.005" S.D. 0.271
Bullet Style: TSX BT Primer: Federal 210 B.C. 0.453
COAL: 2.810" Barrel Length: 24"
Case: Winchester Twist Rate: 1:12"

Bullet Weight: 180 gr Case Trim Length: 2.005" S.D. 0.271
Bullet Style: MRX BT Primer: Federal 210 B.C. 0.473
COAL: 2.810" Barrel Length: 24"
Case: Winchester Twist Rate: 1:12"

Powder	Minimum		Maximum		
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)	Load Density (%)
IMR 3031	37.0	2315	40.5	2505	99
Benchmark	37.0	2287	40.0	2500	89
Win 748	40.0	2365	43.0	2570	88
BL-C(2)	41.5	2410	44.0	2593	89
H335	38.0	2340	41.0	2515	82
TAC	38.0	2322	41.0	2463	84
♦ H4895	38.0	2325	42.0	2566	97
IMR 4895	40.0	2361	43.0	2553	100
Varget	40.0	2375	43.5	2564	100
AA 2520	44.0	2484	47.5	2669	98
IMR 4320	39.5	2270	43.0	2473	97
RL 15	39.0	2368	43.5	2592	100

.308 Winchester

Bullet Weight: 200 gr Case Trim Length: 2.005" S.D. 0.301
Bullet Style: TSX FB Primer: Federal 210 B.C. 0.423
COAL: 2.810" Barrel Length: 24"
Case: Winchester Twist Rate: 1:12"

Powder	Minimum		Maximum		
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)	Load Density (%)
Benchmark	34.5	2077	37.0	2249	87
H322	33.0	2016	36.0	2233	87
AA 2230	35.0	2116	39.0	2328	85
Win 748	37.0	2153	41.0	2345	89
RL10X	32.0	2027	36.0	2258	88
♦ BL-C(2)	38.5	2142	42.0	2374	90
H335	35.0	2070	39.0	2304	82
H4895	35.5	2100	39.0	2311	95
Varget	36.0	2077	39.5	2272	96
AA 2520	41.5	2220	44.5	2394	97
RL 15	37.0	2151	40.0	2301	97
Win 760	41.0	2205	45.0	2322	99
H414	42.5	2250	45.5	2337	100

Bullet Weight: 220 grs Case Trim Length: 2.005" S.D. 0.331
Bullet Style: RN Solid Primer: Federal 210 B.C. 0.305
COAL: 2.715" Barrel Length: 24"
Case: Winchester Twist Rate: 1:12"

Powder	Minimum		Maximum		
	Charge (grains)	Velocity (fps)	Charge (grains)	Velocity (fps)	Load Density (%)
Win 748	40.0	2186	44.5	2387	99
RL 10X	31.5	2023	34.5	2188	87
♦ BL-C(2)	40.5	2197	44.5	2386	98
AA 2460	36.5	2127	40.5	2318	92
H335	36.5	2117	40.5	2313	88
H4895	34.0	2061	37.5	2255	94
IMR 4895	35.0	2032	38.5	2252	97
Varget	35.0	2093	37.5	2184	94
IMR 4320	36.5	2073	39.5	2222	96
RL 15	36.0	2101	39.0	2256	98
Win 760	43.0	2189	45.5	2276	103