



223 Remington

.224"	22
Weight (grains)	Spire SP
Ballistic Coefficient	40
Sectional Density	0.144
COAL Tested	0.114
Speer Part No.	2.060"
	1017

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Alliant AR-Comp	Federal	Federal 205	26.0	3495	28.5 C	3751
Alliant Power Pro Varmint	Federal	Federal 205	26.1	3400	28.9	3704
Ramshot X-Terminator	Federal	Federal 205	25.6	3487	27.7	3687
Alliant Power Pro 1200-R	Federal	Federal 205	23.1	3404	25.5	3680
Winchester 748	IMI	CCI 450	28.0	3396	30.0 C	3623
Vihtavouri N130	Federal	Federal 205	21.2	3280	23.6	3568
Vihtavuori N133	IMI	CCI 400	23.0	3188	25.0 C	3549
Alliant Reloder 10X	IMI	CCI 400	22.5	3250	24.5	3544
Accurate 2015	IMI	CCI 400	23.5	3115	25.5	3523
Hodgdon Varget	IMI	CCI 400	26.0	3198	28.0 C	3523
Accurate 2460	IMI	CCI 450	24.5	3133	26.5	3507
IMR 3031	IMI	CCI 400	25.0	3077	27.0 C	3470
Hodgdon H322	IMI	CCI 400	24.0	3072	26.0	3447
Accurate 2230	IMI	CCI 400	24.0	3108	26.0	3419
Hodgdon H4198	IMI	CCI 400	20.5	3024	22.5	3400
Hodgdon BL-C(2)	IMI	CCI 450	26.0	3111	28.0	3371
Hodgdon H4895	IMI	CCI 400	23.5	2996	25.5 C	3353
Hodgdon H335	IMI	CCI 450	26.5	2943	28.5	3182
Alliant Reloder 7	IMI	CCI 400	18.5	2727	20.5	3055
Accurate 5744 (reduced load)	IMI	CCI 400	11.0	2000	12.0	2148

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Maximum loads should be used with CAUTION • C = Compressed Load



223 Remington

.224"	22 TNT Green®
Weight (grains)	43
Ballistic Coefficient	0.150
Sectional Density	0.122
COAL Tested	2.150"
Speer Part No.	1022

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Alliant AR-Comp	Federal	Federal 205	23.0	3310	25.6	3561
Accurate 2230	Federal	Federal 205	23.1	3287	25.5	3545
Winchester 748	Federal	Federal 205	25.5	3334	27.5 C	3538
Alliant Power Pro Varmint	Federal	Federal 205	24.6	3338	26.8	3531
Hodgdon Varget	Federal	Federal 205	24.7	3232	27.3 C	3531
Hodgdon H335	Federal	Federal 205	23.1	3291	25.4	3511
Ramshot TAC	Federal	Federal 205	24.0	3291	26.0	3505
Alliant Power Pro 1200-R	Federal	Federal 205	21.5	3214	23.9	3490
Vihtavuori N540	Federal	Federal 205	25.5	3246	27.5 C	3481
Hodgdon H322	Federal	Federal 205	21.9	3231	24.3	3476
Alliant Reloder 10X	Federal	Federal 205	21.0	3179	23.0	3468
IMR 4895	Federal	Federal 205	23.7	3120	26.3 C	3433
Alliant Reloader 7	Federal	Federal 205	19.4	3115	21.5	3397
IMR 4198	Federal	Federal 205	17.9	3069	19.9	3381
Vihtavouri N130	Federal	Federal 205	19.4	3164	21.1	3353
Accurate 2015	Federal	Federal 205	21.2	3089	23.4	3340

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223 Remington

.224"	22
Weight (grains)	Spitzer SP
Ballistic Coefficient	45
Sectional Density	0.143
COAL Tested	0.128
Speer Part No.	2.155"
	1023

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Ramshot X-Terminator	Federal	Federal 205	26.1	3368	28.9 C	3659
Alliant Power Pro Varmint	Federal	Federal 205	26.0	3321	28.8	3634
IMR 8208 XBR	Federal	Federal 205	25.0	3293	27.6 C	3592
Alliant Power Pro 1200-R	Federal	Federal 205	22.8	3284	25.2	3569
IMR 4895	IMI	CCI 400	25.0	3146	27.0 C	3464
Winchester 748	IMI	CCI 450	27.0	3032	29.0 C	3456
Hodgdon Varget	IMI	CCI 400	26.0	3157	28.0 C	3446
IMR 4198	IMI	CCI 400	21.0	3050	23.0	3436
Hodgdon H322	IMI	CCI 400	24.0	3002	26.0	3420
IMR 3031	IMI	CCI 400	25.0	3117	27.0 C	3394
Alliant Reloder 10X	IMI	CCI 400	22.0	3085	24.0	3348
Accurate 2460	IMI	CCI 450	24.0	2990	26.0	3330
Vihtavuori N133	IMI	CCI 400	22.5	3012	24.5 C	3317
Accurate 2015	IMI	CCI 400	23.0	2941	25.0	3314
Hodgdon BL-C(2)	IMI	CCI 450	26.0	2937	28.0 C	3272
Accurate 2230	IMI	CCI 400	23.5	2813	25.5	3206
Alliant Reloder 7	IMI	CCI 400	18.0	2851	20.0	3105
Hodgdon H335	IMI	CCI 450	25.0	2721	27.0 C	3065
Accurate 5744 (reduced load)	IMI	CCI 400	11.0	1958	12.0	2104

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.224"	22 Spitzer SP	22 TNT® HP
Weight (grains)	50	50
Ballistic Coefficient	0.207	0.228
Sectional Density	0.142	0.142
COAL Tested	2.185"	2.235"
Speer Part No.	1029	1030

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Alliant AR-Comp	Federal	Federal 205	25.1	3256	27.8 C	3523
IMR 8208 XBR	Federal	Federal 205	24.7	3142	27.3	3471
Alliant Power Pro Varmint	Federal	Federal 205	25.1	3167	27.7	3467
Winchester 748	IMI	CCI 450	26.5	3130	28.5 C	3458
Alliant Reloder 15	Federal	Federal 205	26.2	3117	29.0 C	3437
Vihtavouri N135	Federal	Federal 205	24.2	3209	26.1	3398
Alliant Power Pro 1200-R	Federal	Federal 205	21.9	3132	24.2	3390
Accurate 2520	IMI	CCI 450	26.0	3229	28.0 C	3385
Hodgdon Varget	IMI	CCI 400	25.5	3079	27.5 C	3372
IMR 4895	IMI	CCI 400	25.0	3073	27.0 C	3369
Hodgdon H322	IMI	CCI 400	24.0	3045	26.0	3356
IMR 3031	IMI	CCI 400	24.0	3012	26.0 C	3339
Alliant Reloder 10X	IMI	CCI 400	21.5	3041	23.5	3322
Accurate 2015	IMI	CCI 400	22.5	2993	24.5	3320
Hodgdon H335	IMI	CCI 450	25.0	3018	27.0	3316
Vihtavuori N133	IMI	CCI 400	22.0	2939	24.0	3290
Hodgdon H4895	IMI	CCI 400	23.5	2910	25.5 C	3255
Hodgdon BL-C(2)	IMI	CCI 450	25.5	3004	27.5	3252
Hodgdon H4198	IMI	CCI 400	20.0	2888	22.0	3229
Accurate 2230	IMI	CCI 400	23.0	2885	25.0	3187
Accurate 5744 (reduced load)	IMI	CCI 400	11.0	1912	12.0	2058

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223 Remington

.224"	22 TNT Green®
Weight (grains)	50
Ballistic Coefficient	0.190
Sectional Density	0.142
COAL Tested	2.150"
Speer Part No.	1028

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Hodgdon Varget	Federal	Federal 205	24.5	3115	26.5 C	3322
Winchester 748	Federal	Federal 205	24.0	3114	26.0 C	3308
Ranshot TAC	Federal	Federal 205	23.0	3070	25.0	3295
Alliant Reloder 10X	Federal	Federal 205	20.0	3002	22.0	3245
Vihtavuori N540	Federal	Federal 205	23.5	2970	25.5	3218
IMR 4895	Federal	Federal 205	23.5	2908	25.5 C	3169

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223 Remington

.224"	22 HP	22 Match BTHP
Weight (grains)	52	52
Ballistic Coefficient	0.168	0.230
Sectional Density	0.148	0.148
COAL Tested	2.200"	2.200"
Speer Part No.	1035	1036

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Winchester 748	IMI	CCI 450	26.0	3187	28.0 C	3510
Alliant AR-Comp	Federal	Federal 205	24.0	3179	26.3 C	3394
IMR 8208 XBR	Federal	Federal 205	23.5	3081	26.1	3353
Alliant Power Pro Varmint	Federal	Federal 205	24.0	3032	26.5	3344
Hodgdon Varget	IMI	CCI 400	25.0	3039	27.0	3331
Alliant Reloder 15	Federal	Federal 205	24.9	3032	27.6 C	3322
Vihtavouri N135	Federal	Federal 205	22.8	3054	24.9 C	3277
Alliant Power Pro 1200-R	Federal	Federal 205	21.0	3020	23.1	3267
IMR 4895	IMI	CCI 400	24.5	2888	26.5 C	3254
IMR 3031	IMI	CCI 400	24.0	2915	26.0 C	3247
Alliant Reloder 10X	IMI	CCI 400	20.5	2955	22.5	3230
Vihtavuori N133	IMI	CCI 400	22.0	2864	24.0	3226
Hodgdon H4895	IMI	CCI 400	23.5	2902	25.5 C	3196
Hodgdon H335	IMI	CCI 450	24.5	2919	26.5	3178
Hodgdon H322	IMI	CCI 400	22.5	2859	24.5	3149
IMR 4064	IMI	CCI 400	24.0	2878	26.0 C	3134
Hodgdon BL-C(2)	IMI	CCI 450	25.0	2728	27.0	3108
Accurate 2460	IMI	CCI 450	23.0	2785	25.0	3102
Alliant Reloder 7	IMI	CCI 400	18.5	2639	20.5	2972
Accurate 5744 (reduced load)	IMI	CCI 400	11.0	1906	12.0	2047

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0.224	22 TNT HP	22 Spitzer SP
Weight (grains)	55	55
Ballistic Coefficient	0.233	0.212
Sectional Density	0.157	0.157
COAL Tested	2.235"	2.175"
Speer Part No.	1032	1047

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Winchester 748	IMI	CCI 450	26.0	3008	28.0 C	3369
IMR 8208 XBR	Federal	Federal 205	23.7	3045	26.0	3305
Hodgdon CFE 223	Federal	Federal 205	24.6	3004	27.2	3291
Accurate 2230	IMI	CCI 400	24.0	3062	26.0	3286
IMR 3031	IMI	CCI 400	24.0	3019	26.0 C	3276
Alliant Power Pro Varmint	Federal	Federal 205	23.7	3014	25.9	3270
Hodgdon Varget	IMI	CCI 400	25.0	3012	27.0	3268
Hodgdon H4895	IMI	CCI 400	23.5	2949	25.5 C	3246
Alliant AR-Comp	Federal	Federal 205	22.2	3021	24.6 C	3245
Accurate 2520	IMI	CCI 450	25.0	3066	27.0 C	3238
Alliant Power Pro 1200-R	Federal	Federal 205	21.0	2972	23.1	3210
Alliant Reloder 10X	IMI	CCI 400	21.0	2976	23.0	3209
Hodgdon H322	IMI	CCI 400	22.5	2860	24.5	3208
IMR 4064	IMI	CCI 400	24.5	2881	26.5	3193
Hodgdon BL-C(2)	IMI	CCI 450	25.0	2907	27.0	3187
Hodgdon H335	IMI	CCI 450	24.0	2842	26.0	3140
Vihtavuori N133	IMI	CCI 400	21.5	2811	23.5	3139
Accurate 2015	IMI	CCI 400	21.5	2788	23.5	3071
Hodgdon H4198	IMI	CCI 400	19.0	2726	21.0	3021
Accurate 5744 (reduced load)	IMI	CCI 400	11.0	1892	12.0	2033

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223 Remington

0.224"	22 GD
Weight (grains)	55
Ballistic Coefficient	0.250
Sectional Density	0.148
COAL Tested	2.230"
Speer Part No.	22455GDB

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Alliant Power Pro 2000-MR	Federal	Federal 205	26.1	3134	29.0 C	3392
Hodgdon CFE 223	Federal	Federal 205	24.7	3069	27.2	3328
Ramshot X-Terminator	Federal	Federal 205	22.5	2992	24.9	3262
Hodgdon Varget	Federal	Federal 205	24.0	2994	26.5 C	3259
Alliant Power Pro Varmint	Federal	Federal 205	22.6	2977	25.1	3259
IMR 8208 XBR	Federal	Federal 205	22.3	2964	24.8	3259
Alliant Reloder 15	Federal	Federal 205	23.7	2989	26.3 C	3242
Alliant AR-Comp	Federal	Federal 205	21.8	3000	24.2	3230
IMR 4895	Federal	Federal 205	23.3	2892	25.8 C	3224
Alliant Power Pro 1200-R	Federal	Federal 205	20.4	2935	22.6	3192
Alliant Reloder 10X	Federal	Federal 205	20.4	2909	22.6	3163
Hodgdon H335	Federal	Federal 205	21.3	2955	23.5	3160
Vihtavuori N135	Federal	Federal 205	20.8	2906	23.0	3143
Accurate LT-32	Federal	Federal 205	19.8	2942	20.9	3060

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223 Remington

.224"	22
	GD
Weight (grains)	62
Ballistic Coefficient	0.310
Sectional Density	0.177
COAL Tested	2.230"
Speer Part No.	22462GDB

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Alliant Power Pro 2000-MR	Federal	Federal 205	25.0	2969	27.7 C	3217
Hodgdon CFE 223	Federal	Federal 205	23.4	2889	26.0	3141
Alliant Power Pro Varmint	Federal	Federal 205	22.0	2864	24.3	3076
Ramshot X-Terminator	Federal	Federal 205	21.7	2838	23.9	3071
Accurate 2460	Federal	Federal 205	22.3	2815	24.8	3069
Hodgdon Varget	Federal	Federal 205	22.4	2802	24.9 C	3064
IMR 8208 XBR	Federal	Federal 205	21.4	2822	23.7	3064
IMR 4895	Federal	Federal 205	22.3	2759	24.8 C	3064
Alliant Reloder 15	Federal	Federal 205	22.7	2808	25.1 C	3056
Alliant AR-Comp	Federal	Federal 205	20.8	2826	23.0	3030
Vihtavuori N540	Federal	Federal 205	22.4	2746	24.8	3009
Hodgdon H335	Federal	Federal 205	20.3	2770	22.4	2971

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223 Remington

0.224	22
	Semi-Spitzer SP
Weight (grains)	70
Ballistic Coefficient	0.219
Sectional Density	0.199
COAL Tested	2.140"
Speer Part No.	1053

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Winchester 748	IMI	CCI 450	25.0	2862	27.0	3115
Alliant Power Pro 2000-MR	Federal	Federal 205	25.0	2775	27.1	2982
Hodgdon H414	IMI	CCI 450	26.0	2690	28.0	2923
Hodgdon Varget	Federal	Federal 205	22.4	2659	24.8 C	2901
Alliant Power Pro Varmint	Federal	Federal 205	21.0	2632	23.2	2872
Alliant Reloder 15	Federal	Federal 205	22.5	2708	24.1 C	2871
IMR 4895	IMI	CCI 400	22.5	2658	24.5 C	2864
Hodgdon H335	IMI	CCI 450	22.5	2621	24.5	2849
Alliant AR-Comp	Federal	Federal 205	20.0	2679	21.9	2834
Accurate 2460	IMI	CCI 450	21.5	2526	23.5	2814
Accurate 2230	IMI	CCI 400	21.0	2489	23.0	2749
Hodgdon H380	IMI	CCI 450	26.0	2560	28.0	2733
Vihtavuori N135	IMI	CCI 400	20.5	2449	22.5	2693
IMR 4320	IMI	CCI 400	22.5	2474	24.5	2675
Hodgdon BL-C(2)	IMI	CCI 450	21.5	2474	23.5	2648
Accurate 2015	IMI	CCI 400	18.0	2348	20.0	2583

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223 Remington

.224"	22 GD
Weight (grains)	75
Ballistic Coefficient	0.411
Sectional Density	0.214
COAL Tested	2.230"
Speer Part No.	22475GDB

Propellant	Case	Primer	START CHARGE		MAXIMUM CHARGE	
			Weight (grains)	Muzzle Velocity (feet/sec)	Weight (grains)	Muzzle Velocity (feet/sec)
Alliant Power Pro 2000-MR	Federal	Federal 205	23.5	2655	26.1 C	2897
Hodgdon CFE 223	Federal	Federal 205	22.0	2583	24.0	2782
IMR 4895	Federal	Federal 205	21.2	2508	23.5 C	2767
Alliant Reloder 15	Federal	Federal 205	21.2	2514	23.6 C	2761
Ramshot X-Terminator	Federal	Federal 205	20.7	2544	22.9	2757
Alliant Power Pro Varmint	Federal	Federal 205	20.8	2533	23.0	2756
Accurate 2460	Federal	Federal 205	21.0	2524	23.2	2746
Hodgdon Varget	Federal	Federal 205	20.9	2515	23.2 C	2740
Vihtavuori N540	Federal	Federal 205	21.2	2462	23.5 C	2725
IMR 8208 XBR	Federal	Federal 205	20.0	2508	22.1	2723
Alliant AR-Comp	Federal	Federal 205	18.9	2480	20.9	2669
Hodgdon H335	Federal	Federal 205	19.0	2470	21.0	2638

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