

FIRST EDITION

RELOADING MANUAL

RIFLE & HANDGUN



FEDERAL  PREMIUM®

AMMUNITION



SYNTECH



With an exclusive TSJ® polymer jacket that eliminates copper fouling and decreases heat and friction, Syntech® loads have redefined the range ammunition category. Handloaders can get the benefits of the same groundbreaking design in Syntech component bullets. The advanced range projectiles provide clean, accurate, consistent performance, as well as less splash-back on steel targets.

9MM LUGER 115 GRAIN



SPECIFICATIONS

Diameter	0.355"
Part No.	AE9SJ1

TEST COMPONENTS

OAL	1.120"
Brass	Fed
Barrel Length	4" SAAMI chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Sport Pistol™	100	3.8	1048	4.3	1130
Alliant Bullseye®	100	4.2	1114	4.7	1186
Alliant BE-86™	100	5.4	1160	6.1	1250
Alliant Unique®	100	4.6	1105	5.2	1200
Alliant Power Pistol®	100	5.9	1159	6.8	1263
Hodgdon Titegroup	100	3.7	1041	4.3	1155
Winchester 231	100	4.2	1057	4.7	1135
Hodgdon Universal	100	4.4	1100	5.0	1204
Accurate No. 2	100	4.0	1014	4.6	1092
Viht 3N37	100	5.8	1125	6.4	1208
Hodgdon HS-6	100	5.8	1088	6.7	1213
Accurate No. 5	100	6.0	1106	6.7	1202

40

S&W 165 GRAIN



SPECIFICATIONS

Diameter	0.400"
Part No.	AE40 SJ1

TEST COMPONENTS

OAL	1.125"
Brass	Fed
Barrel Length	4" SAAMI chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Sport Pistol™	100	4.7	993	5.2	1038
Alliant Bullseye®	100	5.0	1012	5.7	1090
Alliant BE-86™	100	6.3	1062	6.9	1125
Alliant Unique®	100	5.5	1015	6.2	1070
Alliant Power Pistol®	100	6.8	1052	7.6	1123
Hodgdon Titegroup	100	4.5	971	5.1	1035
Winchester 231	100	5.2	981	5.6	1023
Hodgdon Universal	100	5.2	1005	5.9	1082
Accurate No. 2	100	4.9	949	5.3	986
Viht N340	100	5.5	992	6.2	1068
Hodgdon HS-6	100	6.9	1001	7.7	1087
Accurate No. 5	100	6.9	1004	7.6	1089



NOTES

45

AUTO 230 GRAIN



SPECIFICATIONS

Diameter	0.452"
Part No.	AE45SJ1

TEST COMPONENTS

OAL	1.235"
Brass	Fed
Barrel Length	5" SAAMI chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Sport Pistol™	150	4.2	778	5.2	910
Alliant Bullseye®	150	4.0	767	5.4	949
Alliant BE-86™	150	5.2	803	6.8	987
Alliant Unique®	150	4.9	800	5.9	933
Alliant American Select®	150	4.2	765	5.2	889
Hodgdon Titegroup	150	4.0	779	5.0	901
Winchester 231	150	4.7	773	5.7	906
Hodgdon Universal	150	5.0	810	6.0	959
Accurate No. 2	150	4.0	750	4.7	832
Viht N320	150	4.4	783	5.2	892
Hodgdon HS-6	150	7.2	870	8.2	974
Ramshot Silhouette	150	6.4	859	7.4	986



NOTES



FEDERAL PREMIUM TROPHY BONDED TIP

Federal Premium® offers its famed Trophy Bonded® Tip as a component bullet. The proven design stands apart from all other big game bullets, combining bonded construction, a bone-crushing solid copper shank, boat-tail design and a high-performance tip made with the industry's most heat-resistant polymer to tighten groups at long range.

270

WIN 130 GRAIN



SPECIFICATIONS

Diameter	0.227"
Part No.	PB277TT130

TEST COMPONENTS

OAL	3.270"
Brass	Fed
Barrel Length	24" SAAMI chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Reloder® 19	Fed 210	55.0	2914	59.0C	3138
IMR 4831	Fed 210	52.0	2918	56.0C	3115
Alliant Reloder® 17	Fed 210	50.0	2875	54.0	3101
Viht N560	Fed 210	55.0	2868	59.0C	3098
Ramshot Hunter	Fed 215	51.0	2900	55.0	3079
Hodgdon H4350	Fed 210	49.0	2878	53.0	3064
Winchester 760	Fed 215	48.0	2809	52.0	3024

C = Compressed Load

270

WIN 140 GRAIN



SPECIFICATIONS	
Diameter	0.227"
Part No.	PB277TT140

TEST COMPONENTS	
OAL	3.260"
Brass	Win
Barrel Length	22"
Test Firearm	Ruger M77 Mkii

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Reloder® 22	CCI 200	52.5	2751	56.5	2949
IMR 7828	CCI 250	52.0	2777	56.0	2941
Alliant Reloder® 19	CCI 200	52.0	2750	56.0	2923
IMR 4831	CCI 200	49.5	2685	53.5	2900
Accurate 3100	CCI 200	52.0	2672	56.0	2897
IMR 4350	CCI 200	49.0	2695	53.0	2894
Hodgdon H4831SC	CCI 200	52.0	2672	56.0	2872



NOTES

270

WSM 130 GRAIN



SPECIFICATIONS	
Diameter	0.227"
Part No.	PB277TT130

TEST COMPONENTS	
OAL	2.840"
Brass	Fed
Barrel Length	24" SAAMI Chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Reloder® 19	Fed 210	65.0	3062	69.0	3277
Viht N560	Fed 210	65.0	3035	69.0	3243
IMR 7828	Fed 210	64.0	3049	68.0C	3234
Alliant Reloder® 22	Fed 210	64.0	3001	68.0	3210
Accurate Magpro	Fed 215	70.0	3011	74.0C	3208
Hodgdon H4831SC	Fed 210	63.0	2993	67.0	3171
Ramshot Hunter	Fed 215	59.0	2946	63.0	3141

C = Compressed Load

270

WSM 140 GRAIN



SPECIFICATIONS	
Diameter	0.227"
Part No.	PB277TT140

TEST COMPONENTS	
OAL	2.710"
Brass	Win
Barrel Length	24" SAAMI Chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Reloder® 25	CCI 200	65.0	3004	69.0	3179
Alliant Reloder® 22	CCI 200	61.0	2938	65.0	3122
IMR 7828	CCI 200	62.0	2937	66.0	3105
Alliant Reloder® 19	CCI 200	60.0	2895	64.0	3088
Hodgdon H4831SC	CCI 200	58.0	2847	62.0	3019

7MM

REM MAG 140 GRAIN



SPECIFICATIONS	
Diameter	0.284"
Part No.	PB284TT140

TEST COMPONENTS	
OAL	3.280"
Brass	Rem
Barrel Length	24" SAAMI Chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Reloder® 25	CCI 250	67.5	3020	71.5	3173
IMR 7828	CCI 250	64.5	2957	68.5	3121
Accurate 3100	CCI 250	65.5	2998	67.5	3096
Alliant Reloder® 19	CCI 250	63.0	2977	67.0	3095
IMR 4831	CCI 250	60.5	2910	64.5	3093
Hodgdon H1000	CCI 250	69.0	2945	73.0C	3076
Alliant Reloder® 22	CCI 250	62.0	2962	66.0	3074
Hodgdon H4350	CCI 250	57.0	2891	61.0	3049
IMR 4350	CCI 250	59.0	2930	61.0	3034
Hodgdon H4831SC	CCI 250	62.0	2877	66.0	3024

C = Compressed Load



NOTES

7MM

REM MAG 160 GRAIN



SPECIFICATIONS	
Diameter	0.284"
Part No.	PB284TT160

TEST COMPONENTS	
OAL	3.280"
Brass	Rem
Barrel Length	24" SAAMI Chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Reloder® 26	Fed 215	63.5	2805	68.6C	3064
Alliant Reloder® 25	CCI 250	65.0	2842	69.0C	2998
IMR 7828	CCI 250	61.0	2773	65.0	2914
Accurate 3100	CCI 250	61.0	2740	65.0	2909
Alliant Reloder® 19	CCI 250	59.9	2758	63.5	2898
Hodgdon H1000	CCI 250	65.0	2770	69.0C	2894
IMR 4831	CCI 250	57.0	2719	61.0	2877
Alliant Reloder® 22	CCI 250	58.5	2725	62.5	2865
Hodgdon H4831SC	CCI 250	58.5	2689	62.5	2833
IMR 4350	CCI 250	54.0	2620	58.0	2815
Hodgdon H4350	CCI 250	53.0	2675	57.0	2813

C = Compressed Load



NOTES

7MM

WSM 140 GRAIN



SPECIFICATIONS	
Diameter	0.284"
Part No.	PB284TT140

TEST COMPONENTS	
OAL	2.800"
Brass	Win
Barrel Length	24" SAAMI Chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Reloder® 19	CCI 200	64.0	2984	68.0	3134
Alliant Reloder® 22	CCI 200	64.0	3002	68.0	3132
IMR 4831	CCI 200	61.0	2970	65.0	3120
IMR 4350	CCI 200	59.0	2981	63.0	3092
Accurate 3100	CCI 200	64.0	2903	68.0	3073
Hodgdon H4831SC	CCI 200	62.0	2949	66.0	3045
Hodgdon H4350	CCI 200	56.0	2860	60.0	3036



7MM

WSM 160 GRAIN



SPECIFICATIONS	
Diameter	0.284"
Part No.	PB284TT160

TEST COMPONENTS	
OAL	2.820"
Brass	Win
Barrel Length	24" SAAMI Chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Reloder® 19	Fed 210	64.0	2851	68.0C	3021
Viht N560	Fed 210	64.0	2850	68.0	3019
Alliant Reloder® 22	Fed 210	64.0	2824	68.0C	3002
IMR 4831	Fed 210	61.0	2821	65.0C	2998
IMR 4350	Fed 210	59.0	2791	63.0C	2972
Hodgdon H4350	Fed 210	57.0	2774	61.0	2918
Ramshot Hunter	Fed 215	55.0	2713	59.0	2885

C = Compressed Load





7MM-08

REM 160 GRAIN



SPECIFICATIONS

Diameter	0.284"
Part No.	PB284TT160

TEST COMPONENTS

OAL	2.765"
Brass	Fed
Barrel Length	24" SAAMI Chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Accurate 2700	Fed 215	42.0	2454	46.0C	2654
Ramshot Big Game	Fed 215	41.0	2409	45.0C	2629
Alliant Reloder® 17	Fed 210	41.0	2387	45.0C	2619
Hodgdon H380	Fed 215	40.0	2366	44.0C	2566
Alliant Reloder® 15	Fed 210	36.0	2305	40.0	2565
Viht N540	Fed 210	36.0	2277	40.0	2540

C = Compressed Load



NOTES

7MM

MAUSER 140 GRAIN



SPECIFICATIONS	
Diameter	0.284"
Part No.	PB284TT140

TEST COMPONENTS	
OAL	2.800"
Brass	Rem
Barrel Length	22"
Test Firearm	Ruger M77

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Accurate 4350	CCI 200	46.0	2586	50.0C	2861
Hodgdon 4350	CCI 200	45.0	2595	49.0C	2843
Win 760	CCI 250	44.0	2523	48.0	2785
Hodgdon H414	CCI 250	43.0	2522	47.0	2760
IMR 4831	CCI 200	45.0	2454	49.0C	2731
IMR 4350	CCI 200	43.0	2449	47.0C	2719
Alliant Reloder® 19	CCI 200	45.0	2407	49.0C	2653

C = Compressed Load



NOTES

7MM

MAUSER 160 GRAIN



SPECIFICATIONS	
Diameter	0.284"
Part No.	PB284TT160

TEST COMPONENTS	
OAL	2.970"
Brass	Rem
Barrel Length	22"
Test Firearm	Ruger M77

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Accurate 4350	CCI 200	42.0	2310	46.0C	2623
Win 760	CCI 250	41.0	2344	45.0	2593
Hodgdon H414	CCI 250	40.0	2342	44.0	2585
IMR 4831	CCI 200	43.0	2315	47.0C	2584
Hodgdon H4350	CCI 200	41.0	2354	45.0C	2580
IMR 4350	CCI 200	41.0	2299	45.0C	2570
Alliant Reloder® 22	CCI 200	46.0	2405	48.0C	2538
IMR 4064	CCI 200	36.0	2281	40.0	2527
Alliant Reloder® 19	CCI 200	43.0	2245	47.0C	2518

C = Compressed Load



NOTES

7MM

STW 140 GRAIN



SPECIFICATIONS

Diameter	0.284"
Part No.	PB284TT140

TEST COMPONENTS

OAL	3.565"
Brass	Fed
Barrel Length	24" SAAMI Chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
IMR 7828	Fed 215	71.2	2969	78.8	3275
Alliant Reloder® 26	Fed 215	71.9	2896	79.8	3274
Alliant Reloder® 25	Fed 215	74.3	2940	82.5	3273
Accurate Magpro	Fed 215	74.8	2962	82.9	3270
Alliant Reloder® 19	Fed 215	70.4	2929	78.1	3266
Vihtavuori N560	Fed 215	71.2	2896	78.9	3250
Alliant Reloder® 23	Fed 215	68.8	2953	76.1	3248
Alliant Power Pro 4000MR	Fed 215	67.8	2944	75.0	3248
Alliant Reloder® 22	Fed 215	68.3	2914	75.9	3242
IMR 7977	Fed 215	74.3	2909	82.2	3232
Hodgdon H1000	Fed 215	73.4	2962	81.4	3231
Hodgdon H4831	Fed 215	70.1	2947	77.6	3197



NOTES

7MM

STW 160 GRAIN



SPECIFICATIONS

Diameter	0.284"
Part No.	PB284TT160

TEST COMPONENTS

OAL	3.550"
Brass	Fed
Barrel Length	24" SAAMI Chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Reloder® 33	Fed 215	80.9	2812	89.4C	3121
Accurate Magpro	Fed 215	71.7	2835	79.4	3101
Alliant Reloder® 26	Fed 215	68.9	2760	76.4	3078
Hodgdon Retumbo	Fed 215	72.4	2755	80.4	3068
IMR 7828	Fed 215	66.4	2868	73.0	3065
Vihtavuori N560	Fed 215	68.0	2786	75.1	3054
Alliant Reloder® 25	Fed 215	70.3	2807	77.5	3051
IMR 7977	Fed 215	70.2	2860	76.2	3027
Alliant Reloder® 23	Fed 215	65.1	2839	71.1	3021
Hodgdon H1000	Fed 215	68.6	2867	74.3	3017
Alliant Reloder® 22	Fed 215	64.1	2745	70.9	3013

C = Compressed Load



NOTES

280

REM 140 GRAIN



SPECIFICATIONS	
Diameter	0.284"
Part No.	PB284TT140

TEST COMPONENTS	
OAL	3.200"
Brass	Rem
Barrel Length	24"
Test Firearm	Ruger M77 MkII

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Hodgdon H4350	CCI 200	53.5	2880	55.5	2976
Alliant Reloder® 19	CCI 200	57.0	2852	59.0C	2962
IMR 4831	CCI 200	55.0	2838	57.0C	2954
Viht N160	CCI 200	55.0	2827	57.0C	2917
Accurate 3100	CCI 200	56.0	2753	58.0C	2875

C = Compressed Load



280

REM 160 GRAIN



SPECIFICATIONS	
Diameter	0.284"
Part No.	PB284TT160

TEST COMPONENTS	
OAL	3.260"
Brass	Rem
Barrel Length	24"
Test Firearm	Ruger M77 MkII

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
IMR 7828	CCI 200	56.0	2720	58.0C	2819
IMR 4831	CCI 200	53.0	2703	55.0C	2809
Alliant Reloder® 22	CCI 200	55.0	2712	57.0C	2808
Alliant Reloder® 19	CCI 200	54.0	2688	56.0C	2789
Accurate 4350	CCI 200	51.0	2680	53.0	2782
Hodgdon H4831SC	CCI 200	55.0	2672	57.0C	2758
Hodgdon H4350	CCI 200	50.0	2662	52.0	2757
IMR 4350	CCI 200	50.0	2631	52.0	2753

C = Compressed Load



30-06

SPRINGFIELD 165 GRAIN



SPECIFICATIONS	
Diameter	0.308"
Part No.	PB308TT165

TEST COMPONENTS	
OAL	3.180"
Brass	Fed
Barrel Length	24" SAAMI chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Reloder® 19	Fed 210	56.1	2689	62.0C	2951
Alliant Reloder® 16	Fed 210	51.8	2695	57.0C	2923
Alliant Power Pro™ 4000-MR	Fed 210	53.3	2667	59.1C	2905
Hodgdon H4350	Fed 210	52.1	2688	57.5C	2904
Alliant Reloder® 17	Fed 210	49.4	2628	54.6C	2890
Accurate 4350	Fed 210	54.2	2640	58.2C	2859
Winchester 760	Fed 210	48.2	2605	53.4	2855
Vihtavuori N550	Fed 210	47.6	2589	52.7	2838
IMR 4831	Fed 210	52.1	2543	57.8C	2789

C = Compressed Load



30-06

SPRINGFIELD 180 GRAIN



SPECIFICATIONS	
Diameter	0.308"
Part No.	PB308TT180

TEST COMPONENTS	
OAL	3.320"
Brass	Win
Barrel Length	22"
Test Firearm	Remington 700

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
IMR 7828	CCI 200	58.0C	2627	60.0C	2729
Hodgdon H4350	CCI 200	52.0	2630	54.0	2707
Alliant Reloder® 22	CCI 200	56.0	2616	58.0C	2699
Hodgdon H4831SC	CCI 200	57.0	2606	59.0C	2689
IMR 4350	CCI 200	52.0	2568	54.0	2666
Winchester 760	CCI 250	51.0	2574	53.0	2658
Vihtavuori N540	CCI 200	46.0	2518	48.0	2615

C = Compressed Load



308

WIN 165 GRAIN



SPECIFICATIONS	
Diameter	0.308"
Part No.	PB308TT165

TEST COMPONENTS	
OAL	2.700"
Brass	Fed
Barrel Length	24" SAAMI chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Power Pro™ 2000-MR	Fed 210	45.1	2654	50.5C	2906
Alliant Power Pro™ Varmint	Fed 210	40.2	2565	44.7	2793
Alliant Reloder® 15	Fed 210	40.9	2562	45.0C	2758
Alliant AR-Comp™	Fed 210	38.7	2545	42.8C	2737
Hodgdon Varget	Fed 210	39.8	2518	44.0C	2732
IMR 4064	Fed 210	39.3	2523	43.5C	2730
Vihtavuori N540	Fed 210	40.1	2465	44.5	2700
Ramshot TAC	Fed 210	38.0	2490	42.1	2686

C = Compressed Load



308

WIN 180 GRAIN



SPECIFICATIONS	
Diameter	0.308"
Part No.	PB308TT180

TEST COMPONENTS	
OAL	2.800"
Brass	IMI
Barrel Length	22"
Test Firearm	Remington 700

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Vihtavuori N540	CCI 200	43.0	2521	45.0C	2655
Alliant Reloder® 15	CCI 200	42.0	2498	44.0C	2619
Winchester 748	CCI 250	42.0	2488	44.0C	2614
IMR 4064	CCI 200	41.0	2491	43.0C	2601
Hodgdon Varget	CCI 200	41.0	2464	43.0C	2574
Accurate 2460	CCI 250	38.0	2360	40.0	2470

C = Compressed Load



300

WIN MAG 165 GRAIN



SPECIFICATIONS	
Diameter	0.308"
Part No.	PB308TT165

TEST COMPONENTS	
OAL	3.320"
Brass	Fed
Barrel Length	24" SAAMI chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Reloder® 26	Fed 215	70.4	2865	77.9C	3203
Alliant Power Pro™ 4000-MR	Fed 215	66.5	2887	73.9C	3164
IMR 7828	Fed 215	70.1	2846	77.8C	3140
Alliant Reloder® 19	Fed 215	66.9	2822	74.5C	3136
Alliant Reloder® 17	Fed 215	60.8	2921	67.2	3103
Alliant Reloder® 16	Fed 215	62.8	2835	69.8C	3102
Hodgdon H4831SC	Fed 215	66.7	2893	73.9C	3082
Vihtavuori N550	Fed 215	59.8	2813	66.2	3069
Hodgdon H4350	Fed 215	61.9	2890	67.6	3060
IMR 4831	Fed 215	66.8	2864	71.8	3033

C = Compressed Load



300

WIN MAG 180 GRAIN



SPECIFICATIONS	
Diameter	0.308"
Part No.	PB308TT180

TEST COMPONENTS	
OAL	3.320"
Brass	Fed
Barrel Length	24" SAAMI chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Reloder® 26	Fed 215	68.7	2830	75.7C	3100
Alliant Power Pro™ 4000-MR	Fed 215	64.3	2827	71.2C	3048
IMR 7828	Fed 215	68.0	2774	74.8C	3041
Vihtavuori N560	Fed 215	67.0	2775	74.3C	3029
Alliant Reloder® 22	Fed 215	64.8	2761	71.6C	3025
Alliant Reloder® 17	Fed 215	57.5	2798	63.5	2969
Hodgdon H4831SC	Fed 215	64.0	2795	70.1C	2963
Ramshot Hunter	Fed 215	61.4	2743	67.9	2952

C = Compressed Load



300

WSM 165 GRAIN



SPECIFICATIONS	
Diameter	0.308"
Part No.	PB308TT165

TEST COMPONENTS	
OAL	2.795"
Brass	Fed
Barrel Length	24" SAAMI chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Ramshot Hunter	Fed 215	65.5	2941	72.7C	3206
Alliant Reloder® 16	Fed 215	62.2	2925	68.8C	3181
Alliant Reloder® 19	Fed 215	66.7	2858	74.0C	3168
Accurate 2700	Fed 215	59.0	2809	65.4	3135
Hodgdon H4350	Fed 215	60.6	2899	67.2C	3122
Vihtavuori N550	Fed 215	56.8	2793	63.1	3117
Hodgdon H414	Fed 215	58.8	2815	64.8	3108
IMR 4451	Fed 215	60.9	2859	67.7C	3104
Alliant Reloder® 17	Fed 215	57.7	2826	63.8	3081
IMR 4350	Fed 215	59.0	2800	65.3C	3069

C = Compressed Load



NOTES

300

WSM 180 GRAIN



SPECIFICATIONS	
Diameter	0.308"
Part No.	PB308TT180

TEST COMPONENTS	
OAL	2.825"
Brass	Fed
Barrel Length	24" SAAMI chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Reloder® 17	Fed 210	61.0	2843	65.0	3015
IMR 4350	Fed 210	64.0	2808	68.0C	3001
Hodgdon H4350	Fed 210	62.0	2837	66.0C	2984
Ramshot Hunter	Fed 215	63.0	2757	67.0C	2963
Accurate 2700	Fed 215	61.0	2772	65.0	2959
Hodgdon H414	Fed 215	59.0	2787	63.0	2952
Vihtavuori N550	Fed 210	59.0	2750	63.0	2951
Alliant Reloder® 19	Fed 210	66.0	2745	70.0C	2918

C = Compressed Load



NOTES



300

H&H MAG 180 GRAIN



SPECIFICATIONS

Diameter	0.308"
Part No.	PB308TT180

TEST COMPONENTS

OAL	3.520"
Brass	Fed
Barrel Length	24" SAAMI chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Reloder® 22	Fed 215	68.0	2763	72.6C	2934
Vihtavuori N560	Fed 215	70.0	2836	72.7	2933
Accurate 3100	Fed 215	66.0	2783	69.3	2930
IMR 4350	Fed 215	62.0	2737	67.1	2902
Ramshot Hunter	Fed 215	61.0	2715	64.9	2868
Hodgdon H414	Fed 215	57.0	2674	60.3	2809
Winchester 760	Fed 215	57.0	2606	60.6	2781

C = Compressed Load



NOTES

300

REM ULTRA MAG 165 GRAIN



SPECIFICATIONS

Diameter	0.308"
Part No.	PB308TT165

TEST COMPONENTS

OAL	3.560"
Brass	Fed
Barrel Length	24" SAAMI chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Reloder® 25	Fed 215	95.0	3234	99.0	3433
Ramshot Magnum	Fed 215	95.0	3277	99.0	3393
Alliant Reloder® 22	Fed 215	89.0	3237	93.0	3392
IMR 7828	Fed 215	89.0	3199	93.0	3365
Vihtavuori N560	Fed 215	90.0	3213	94.0	3348
Hodgdon Retumbo	Fed 215	97.0	3225	101.0C	3343
Accurate 3100	Fed 215	85.0	3178	89.0	3319

C = Compressed Load



NOTES

300

REM ULTRA MAG 180 GRAIN



SPECIFICATIONS

Diameter	0.308"
Part No.	PB308TT180

TEST COMPONENTS

OAL	3.560"
Brass	Fed
Barrel Length	24" SAAMI chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Reloder® 25	Fed 215	91.0	3077	95.0	3244
Alliant Reloder® 22	Fed 215	86.0	3101	90.0	3237
Hodgdon Retumbo	Fed 215	95.0	3112	99.0C	3235
Ramshot Magnum	Fed 215	91.0	3099	95.0	3227
IMR 7828	Fed 215	86.0	3059	90.0	3220
Vihtavuori N560	Fed 215	87.0	3038	91.0	3209
Accurate 3100	Fed 215	83.0	3081	87.0	3192

C = Compressed Load



NOTES

300

WBY MAG 165 GRAIN



SPECIFICATIONS	
Diameter	0.308"
Part No.	PB308TT165

TEST COMPONENTS	
OAL	3.500"
Brass	Fed
Barrel Length	24" SAAMI chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Accurate Magpro	Fed 215	82.9	3009	91.9C	3295
Alliant Reloder® 26	Fed 215	77.5	2885	85.8C	3286
Vihtavuori N560	Fed 215	77.5	2938	85.8C	3277
Alliant Reloder® 22	Fed 215	74.0	2892	81.8	3262
Alliant Reloder® 23	Fed 215	73.9	2917	82.0C	3256
IMR 7828	Fed 215	77.4	2908	84.0C	3217
Alliant Reloder® 25	Fed 215	81.3	2897	87.0C	3162
Hodgdon H1000	Fed 215	78.3	2784	87.0C	3110
IMR 7977	Fed 215	79.1	2828	85.0C	3084

C = Compressed Load



NOTES

300

WBY MAG 180 GRAIN



SPECIFICATIONS	
Diameter	0.308"
Part No.	PB308TT180

TEST COMPONENTS	
OAL	3.525"
Brass	Fed
Barrel Length	24" SAAMI chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Reloder® 25	Fed 215	83.0	2980	88.1C	3179
Alliant Reloder® 22	Fed 215	78.0	2909	82.9	3126
Hodgdon H1000	Fed 215	84.0	2942	89.4C	3097
Ramshot Magnum	Fed 215	83.0	2950	90.2C	3152
IMR 7828	Fed 215	78.0	2930	82.2	3107
Vihtavuori N560	Fed 215	80.0	2959	83.6	3125
Accurate MagPro	Fed 215	80.0	2834	87.5C	3099

C = Compressed Load



NOTES



FEDERAL PREMIUM
EDGE TLR™



Edge TLR expands reliably at velocities as low as 1,400 feet per second, yet it also retains most of its weight and penetrates deep on close targets. The match-accurate bullet's sleek profile offers some of the highest ballistic coefficients in its class for the flattest possible trajectories and higher downrange velocities.

30-06

SPRINGFIELD 175 GRAIN



SPECIFICATIONS	
Diameter	0.308"
Part No.	PB308ETLR1

TEST COMPONENTS	
OAL	3.290"
Brass	Fed
Barrel Length	24" SAAMI chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Ramshot Hunter	Fed 210	53.8	2591	59.8C	2864
Alliant Reloder® 16	Fed 210	50.6C	2578	56.0C	2814
Alliant Power Pro™ 4000-MR	Fed 210	51.6	2570	57.4C	2808
Alliant Power Pro™ 2000-MR	Fed 210	46.7	2535	51.8	2796
Alliant Reloder® 17	Fed 210	47.9	2518	53.0	2772
Accurate 4350	Fed 210	50.5	2485	56.0C	2770
IMR 4350	Fed 210	48.2	2490	53.6C	2770
Hodgdon H4350	Fed 210	49.5	2549	54.9C	2767
Vihtavuori N550	Fed 210	46.2	2471	51.3	2733
IMR 4451	Fed 210	49.5	2444	55.1C	2726
Hodgdon H4831SC	Fed 210	53.1C	2495	58.8C	2724
Alliant Reloder® 19	Fed 210	52.3C	2437	58.0C	2712

C = Compressed Load

30-06

SPRINGFIELD 200 GRAIN



SPECIFICATIONS

Diameter	0.308"
Part No.	PB308ETLR2

TEST COMPONENTS

OAL	3.290"
Brass	Fed
Barrel Length	24" SAAMI chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Hodgdon Superformance	Fed 210	50.9	2445	56.4C	2686
Ramshot Hunter	Fed 210	50.6	2412	55.9C	2649
Alliant Power Pro™ 4000-MR	Fed 210	49.2C	2413	54.8C	2635
Alliant Reloder® 16	Fed 210	47.3C	2395	52.7C	2627
Accurate 4350	Fed 210	48.3C	2371	53.4C	2594
Alliant Reloder® 26	Fed 210	51.8C	2333	57.5C	2588
Alliant Reloder® 17	Fed 210	44.7	2352	49.7C	2579
Hodgdon H4831SC	Fed 210	50.6C	2357	56.1C	2569
Vihtavuori N560	Fed 210	51.6C	2325	57.0C	2567
Alliant Reloder® 19	Fed 210	49.2C	2358	54.5C	2567
Hodgdon H4350	Fed 210	46.4	2365	51.5C	2565
IMR 4955	Fed 210	46.8	2277	51.9C	2464

C = Compressed Load



NOTES

308

WIN 175 GRAIN



SPECIFICATIONS

Diameter	0.308"
Part No.	PB308ETLR1

TEST COMPONENTS

OAL	2.810"
Brass	Fed
Barrel Length	24" SAAMI chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Power Pro™ 2000-MR	Fed 210	43.8	2561	48.7C	2803
Accurate 2520	Fed 210	39.6	2445	43.8C	2706
Hodgdon CFE223	Fed 210	40.5	2437	45.0C	2688
Alliant Power Pro™ Varmint	Fed 210	38.3	2412	42.7	2675
Alliant Reloder® 15	Fed 210	38.5	2381	42.9C	2629
Ramshot Big Game	Fed 210	41.2C	2350	45.8C	2613
Hodgdon Varget	Fed 210	37.8	2388	41.8C	2607
Vihtavuori N540	Fed 210	39.0	2348	43.2C	2598
IMR 4064	Fed 210	37.6C	2375	41.6C	2593
Alliant AR-Comp™	Fed 210	35.9	2354	40.0C	2585
IMR 4166	Fed 210	34.8	2305	38.7C	2493

C = Compressed Load



NOTES

300

WIN MAGNUM 175 GRAIN



SPECIFICATIONS	
Diameter	0.308"
Part No.	PB308ETLR1

TEST COMPONENTS	
OAL	3.500"
Brass	Fed
Barrel Length	24" SAAMI chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Reloder® 26	Fed 215	71.0	2770	78.5C	3113
Vihtavuori N560	Fed 215	71.2	2728	78.8C	3065
Alliant Power Pro™ 4000-MR	Fed 215	67.1	2755	74.3C	3057
Alliant Reloder® 19	Fed 215	70.5	2722	78.0C	3056
Alliant Reloder® 22	Fed 215	69.1	2713	76.4C	3052
Alliant Reloder® 16	Fed 215	64.7	2747	71.7C	3030
Accurate 4350	Fed 215	66.8	2679	74.0C	3014
Hodgdon H4831SC	Fed 215	72.0	2865	76.5C	3000
Alliant Reloder® 17	Fed 215	63.0	2835	67.0	2982
Ramshot Hunter	Fed 215	64.9	2746	72.1	2975
Alliant Reloder® 23	Fed 215	68.0	2700	74.0C	2961
IMR 4955	Fed 215	62.0	2675	68.4	2879
Hodgdon H1000	Fed 215	75.5C	2730	78.5C	2837

C = Compressed Load



300

WIN MAGNUM 200 GRAIN



SPECIFICATIONS	
Diameter	0.308"
Part No.	PB308ETLR2

TEST COMPONENTS	
OAL	3.470"
Brass	Fed
Barrel Length	24" SAAMI chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Power Pro™ 4000-MR	Fed 215	63.2C	2522	70.8C	2849
Alliant Reloder® 26	Fed 215	67.7C	2544	74.0C	2849
Hodgdon H4831SC	Fed 215	65.0	2591	72.2C	2809
Alliant Reloder® 22	Fed 215	65.4C	2499	72.0C	2789
Ramshot Magnum	Fed 215	74.0C	2591	79.0C	2769
Vihtavuori N560	Fed 215	66.7	2441	73.0C	2750
Alliant Reloder® 23	Fed 215	67.0C	2553	70.0C	2701
Alliant Reloder® 19	Fed 215	67.8C	2550	70.8C	2692
IMR 7828	Fed 215	68.5C	2567	71.5C	2678
IMR 4955	Fed 215	57.4	2457	63.8	2647
Hodgdon H1000	Fed 215	69.0C	2518	72.0C	2620
Alliant Reloder® 25	Fed 215	71.5C	2488	73.0C	2585
Hodgdon Retumbo	Fed 215	70.5C	2396	72.0C	2490

C = Compressed Load



300

WSM 175 GRAIN



SPECIFICATIONS	
Diameter	0.308"
Part No.	PB308ETLR1

TEST COMPONENTS	
OAL	2.850"
Brass	Fed
Barrel Length	24" SAAMI chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Power Pro™ 4000-MR	Fed 215	62.7C	2772	70.0C	3069
Ramshot Hunter	Fed 215	62.6	2740	69.5C	3045
Alliant Reloder® 17	Fed 215	57.6	2727	63.8C	3020
Alliant Reloder® 19	Fed 215	64.2C	2680	71.0C	3001
Hodgdon H4350	Fed 215	59.5C	2762	66.0C	2994
Hodgdon H414	Fed 215	58.7	2683	65.0C	2987
Vihtavuori N550	Fed 215	56.6	2685	62.7C	2980
Alliant Reloder® 16	Fed 215	58.8C	2703	65.0C	2965
IMR 4451	Fed 215	58.5C	2637	66.0C	2939
IMR 4831	Fed 215	59.4C	2554	66.0C	2830
Accurate 4350	Fed 215	61.0C	2659	64.0C	2796

C = Compressed Load



300

WSM 200 GRAIN



SPECIFICATIONS	
Diameter	0.308"
Part No.	PB308ETLR2

TEST COMPONENTS	
OAL	2.850"
Brass	Fed
Barrel Length	24" SAAMI chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Reloder® 26	Fed 215	63.0C	2604	69.5C	2890
Alliant Reloder® 22	Fed 215	60.6C	2592	67.0C	2876
Alliant Power Pro™ 4000-MR	Fed 215	60.0C	2610	66.3C	2873
Vihtavuori N560	Fed 215	63.8C	2584	70.6C	2872
Ramshot Hunter	Fed 215	60.9	2580	67.5C	2844
Alliant Reloder® 16	Fed 215	57.5C	2589	63.7C	2837
Alliant Reloder® 19	Fed 215	62.0C	2602	67.0C	2826
Alliant Reloder® 17	Fed 215	54.5	2559	60.4C	2822
Hodgdon H414	Fed 215	56.1C	2519	62.3C	2778
Hodgdon H4350	Fed 215	56.1C	2572	62.3C	2778
IMR 4831	Fed 215	57.5C	2485	63.7C	2737
Hodgdon H1000	Fed 215	63.9C	2505	69.9C	2721
Accurate 4350	Fed 215	54.6C	2346	60.2C	2572

C = Compressed Load



300

REM ULTRA MAG 175 GRAIN



SPECIFICATIONS

Diameter	0.308"
Part No.	PB308ETLR1

TEST COMPONENTS

OAL	3.750"
Brass	Fed
Barrel Length	24" SAAMI chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Reloder® 26	Fed 215	84.9	2859	93.9	3222
Ramshot Magnum	Fed 215	88.0	2905	97.5	3215
IMR 7828	Fed 215	83.4	2895	92.4	3211
Accurate Magpro	Fed 215	87.1	2827	96.5	3192
Vihtavuori N560	Fed 215	83.4	2824	92.6	3190
Alliant Reloder® 25	Fed 215	87.3	2847	96.8	3187
Alliant Reloder® 19	Fed 215	82.2	2887	91.1	3182
Hodgdon H1000	Fed 215	86.1	2917	95.6	3169
Alliant Reloder® 22	Fed 215	80.0	2852	88.7	3166
Alliant Reloder® 23	Fed 215	79.5	2878	88.0	3161
IMR 7977	Fed 215	86.9	2777	96.1	3158
Alliant Power Pro™ 4000-MR	Fed 215	76.8	2836	85.6	3154
IMR 4955	Fed 215	72.0	2773	80.0	3043



NOTES

300

REM ULTRA MAG 200 GRAIN



SPECIFICATIONS

Diameter	0.308"
Part No.	PB308ETLR2

TEST COMPONENTS

OAL	3.700"
Brass	Fed
Barrel Length	24" SAAMI chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Hodgdon Retumbo	Fed 215	87.4	2715	96.9C	3050
IMR 7828	Fed 215	80.0	2786	89.0C	3025
Ramshot Magnum	Fed 215	85.1	2764	94.2	3022
Accurate Magpro	Fed 215	84.7	2727	93.7	3017
Vihtavuori N560	Fed 215	80.5	2701	89.4C	3004
Hodgdon H1000	Fed 215	83.4	2809	92.4C	2997
Alliant Reloder® 25	Fed 215	80.0	2757	88.6	2997
Alliant Reloder® 26	Fed 215	78.3	2691	86.9	2995
IMR 7977	Fed 215	84.2	2677	93.2C	2976
Alliant Reloder® 23	Fed 215	76.6	2739	84.9	2967
Alliant Reloder® 22	Fed 215	74.2	2728	82.5	2959
Alliant Reloder® 19	Fed 215	74.9	2745	83.0	2954
Alliant Power Pro™ 4000-MR	Fed 215	74.2	2692	82.4	2954
IMR 4955	Fed 215	69.4	2592	77.0	2844

C = Compressed Load



NOTES

300

WBY MAG 175 GRAIN



SPECIFICATIONS	
Diameter	0.308"
Part No.	PB308ETLR1

TEST COMPONENTS	
OAL	3.560"
Brass	Fed
Barrel Length	24" SAAMI chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Alliant Reloder® 26	Fed 215	75.4	2773	83.7C	3199
IMR 7828	Fed 215	77.2	2819	85.5C	3162
Alliant Reloder® 19	Fed 215	75.2	2825	83.2C	3158
Vihtavuori N560	Fed 215	76.5	2794	84.9C	3149
Alliant Power Pro™ 4000-MR	Fed 215	72.1	2837	80.0	3144
Alliant Reloder® 23	Fed 215	74.8	2836	83.1C	3144
Alliant Reloder® 22	Fed 215	72.8	2779	80.8	3128
Alliant Reloder® 17	Fed 215	67.5	2767	74.8	3102
Alliant Reloder® 16	Fed 215	69.3	2786	77.0	3102
Hodgdon H4831SC	Fed 215	75.2	2784	83.2C	3093
Ramshot Hunter	Fed 215	72.3	2805	80.2	3086
Hodgdon H4350	Fed 215	69.8	2771	77.4	3080

C = Compressed Load



300

WBY MAG 200 GRAIN



SPECIFICATIONS	
Diameter	0.308"
Part No.	PB308ETLR2

TEST COMPONENTS	
OAL	3.560"
Brass	Fed
Barrel Length	24" SAAMI chamber
Test Firearm	Universal Receiver

Propellant	Primer	START CHARGE		MAXIMUM CHARGE	
		Weight, grs	Muzzle Velocity, ft/sec	Weight, grs	Muzzle Velocity, ft/sec
Ramshot Magnum	Fed 215	80.7	2729	89.2C	3017
Alliant Reloder® 26	Fed 215	72.6	2689	80.7C	3012
IMR 7828	Fed 215	73.7	2649	81.9C	2972
Alliant Reloder® 25	Fed 215	76.1	2690	84.5C	2969
Alliant Reloder® 23	Fed 215	71.7	2700	79.3C	2963
Hodgdon H1000	Fed 215	77.4C	2641	86.0C	2951
Alliant Reloder® 19	Fed 215	71.4C	2657	79.4C	2945
Alliant Reloder® 22	Fed 215	69.7	2637	77.4C	2924
Alliant Power Pro™ 4000-MR	Fed 215	69.2	2658	76.7C	2923
Hodgdon H4831SC	Fed 215	71.4	2627	79.1C	2909
Alliant Reloder® 33	Fed 215	82.7C	2568	91.7C	2904
Vihtavuori N165	Fed 215	74.1C	2601	82.1C	2880

C = Compressed Load





FEDERAL PREMIUM®
AMMUNITION

Federal Premium Reloading Guide © 2018

federalpremium.com