FEDERAL PREMIUM®

LOAD DATA

Bullet Brand: Federal®
308 Cal. Weight/Type: 175gr Terminal Ascent™

More reloading data can be found at federalpremium.com

30-06 Springfield 24" SAAMI chamber Universal Receiver test barrel

				Starting Load		Max Load	
POWDER	OAL (IN)	PRIMER	BRASS	CHARGE WT (GR)	VELOCITY (FT/SEC)	CHARGE WT (GR)	VELOCITY (FT/SEC)
Ramshot Hunter	3.290	Fed 210	Fed	53.8	2591	59.8**	2864
Alliant Reloder® 16	3.290	Fed 210	Fed	50.6**	2578	56.0**	2814
Alliant Power Pro™ 4000-MR	3.290	Fed 210	Fed	51.6	2570	57.4**	2808
Alliant Power Pro™ 2000-MR	3.290	Fed 210	Fed	46.7	2535	51.8	2796
Alliant Reloder® 17	3.290	Fed 210	Fed	47.9	2518	53.0	2772
Accurate 4350	3.290	Fed 210	Fed	50.5	2485	56.0**	2770
IMR 4350	3.290	Fed 210	Fed	48.2	2490	53.6**	2770
Hodgdon H4350	3.290	Fed 210	Fed	49.5	2549	54.9**	2767
Vihtavuori N550	3.290	Fed 210	Fed	46.2	2471	51.3	2733
IMR 4451	3.290	Fed 210	Fed	49.5	2444	55.1**	2726
Hodgdon H4831SC	3.290	Fed 210	Fed	53.1**	2495	58.8**	2724
Alliant Reloder® 19	3.290	Fed 210	Fed	52.3**	2437	58.0**	2712

308 Winchester 24" SAAMI chamber Universal Receiver test barrel

				Starting Load		Max Load	
POWDER	OAL (IN)	PRIMER	BRASS	CHARGE WT (GR)	VELOCITY (FT/SEC)	CHARGE WT (GR)	VELOCITY (FT/SEC)
Alliant Power Pro™ 2000-MR	2.810	Fed 210	Fed	43.8	2561	48.7**	2803
Accurate 2520	2.810	Fed 210	Fed	39.6	2412	43.8**	2706
Hodgdon CFE223	2.810	Fed 210	Fed	40.5	2381	45.0**	2688
Alliant Power Pro™ Varmint	2.810	Fed 210	Fed	38.3	2354	42.7	2675
Alliant Reloder® 15	2.810	Fed 210	Fed	38.5	2354	42.9**	2629
Ramshot Big Game	2.810	Fed 210	Fed	41.2**	2354	45.8**	2613
Hodgdon Varget	2.810	Fed 210	Fed	37.8	2354	41.8**	2607
Vihtavuori N540	2.810	Fed 210	Fed	39.0	2354	43.2**	2598
IMR 4064	2.810	Fed 210	Fed	37.6**	2354	41.6**	2593
Alliant AR-Comp™	2.810	Fed 210	Fed	35.9	2354	40.0**	2585
IMR 4166	2.810	Fed 210	Fed	34.8	2354	38.7**	2493

300 Winchester Magnum 24" SAAMI chamber Universal Receiver test barrel

				Starting Load		Max Load	
POWDER	OAL (IN)	PRIMER	BRASS	CHARGE WT (GR)	VELOCITY (FT/SEC)	CHARGE WT (GR)	VELOCITY (FT/SEC)
Alliant Reloader® 26	3.500*	Fed 215	Fed	71.0	2770	78.5**	3113
Vihtavuori N560	3.500*	Fed 215	Fed	71.2	2728	78.8**	3065
Alliant Power Pro™ 4000-MR	3.500*	Fed 215	Fed	67.1	2755	74.3**	3057
Alliant Reloder® 19	3.500*	Fed 215	Fed	70.5	2722	78.0**	3056
Alliant Reloder® 22	3.500*	Fed 215	Fed	69.1	2713	76.4**	3052
Alliant Reloder® 16	3.500*	Fed 215	Fed	64.7	2747	71.7**	3030
Accurate 4350	3.500*	Fed 215	Fed	66.8	2679	74.0**	3014
Hodgdon H4831SC	3.500*	Fed 215	Fed	72.0	2865	76.5**	3000
Alliant Reloder® 17	3.500*	Fed 215	Fed	63.0	2835	67.0	2982
Ramshot Hunter	3.500*	Fed 215	Fed	64.9	2746	72.1	2975
Alliant Reloder® 23	3.500*	Fed 215	Fed	68.0	2700	74.0**	2961
IMR 4955	3.500*	Fed 215	Fed	62.0	2675	74.0	2879
Hodgdon H1000	3.500*	Fed 215	Fed	75.5**	2730	78.5**	2837

300 Winchester Short Magnum 24" SAAMI chamber Universal Receiver test barrel

				Starting Load		Max Load	
POWDER	OAL (IN)	PRIMER	BRASS	CHARGE WT (GR)	VELOCITY (FT/SEC)	CHARGE WT (GR)	VELOCITY (FT/SEC)
Alliant Power Pro™ 4000-MR	2.850	Fed 215	Fed	62.7**	2772	70.0**	3069
Ramshot Hunter	2.850	Fed 215	Fed	62.6	2740	69.5**	3045
Alliant Reloder® 17	2.850	Fed 215	Fed	57.6	2727	63.8**	3020
Alliant Reloder® 19	2.850	Fed 215	Fed	64.2**	2680	71.0**	3001
Hodgdon H4350	2.850	Fed 215	Fed	59.5**	2762	66.0**	2994
Hodgdon H414	2.850	Fed 215	Fed	58.7	2683	65.0**	2987
Vihtavuori N550	2.850	Fed 215	Fed	56.6	2685	62.7**	2980
Alliant Reloder® 16	2.850	Fed 215	Fed	58.8**	2703	65.0**	2965
IMR 4451	2.850	Fed 215	Fed	58.5**	2637	66.0**	2939
IMR 4831	2.850	Fed 215	Fed	59.4**	2554	66.0**	2830
Accurate 4350	2.850	Fed 215	Fed	61.0**	2659	64.0**	2796

*OAL greater than SAAMI max OAL **Compressed

300 Remington Ultra Magnum 24" SAAMI chamber Universal Receiver test barrel

				Starting Load		Max Load	
POWDER	OAL (IN)	PRIMER	BRASS	CHARGE WT (GR)	VELOCITY (FT/SEC)	CHARGE WT (GR)	VELOCITY (FT/SEC)
Alliant Reloder® 26	3.750*	Fed 215	Fed	84.9	2859	93.9	3222
Ramshot Magnum	3.750*	Fed 215	Fed	88.0	2905	97.5	3215
IMR 7828	3.750*	Fed 215	Fed	83.4	2895	92.4	3211
Accurate Magpro	3.750*	Fed 215	Fed	87.1	2827	96.5	3192
Vihtavuori N560	3.750*	Fed 215	Fed	83.4	2824	92.6	3190
Alliant Reloder® 25	3.750*	Fed 215	Fed	87.3	2847	96.8	3187
Alliant Reloder® 19	3.750*	Fed 215	Fed	82.2	2887	91.1	3182
Hodgdon H1000	3.750*	Fed 215	Fed	86.1	2917	95.6	3169
Alliant Reloder® 22	3.750*	Fed 215	Fed	80.0	2852	88.7	3166
Alliant Reloder® 23	3.750*	Fed 215	Fed	79.5	2878	88.0	3161
IMR 7977	3.750*	Fed 215	Fed	86.9	2777	96.1	3158
Alliant Power Pro™ 4000-MR	3.750*	Fed 215	Fed	76.8	2836	85.6	3154
IMR 4955	3.750*	Fed 215	Fed	72.0	2773	80.0	3043

300 Weatherby Magnum 24" SAAMI chamber Universal Receiver test barrel

				Starting Load		Max Load	
POWDER	OAL (IN)	PRIMER	BRASS	CHARGE WT (GR)	VELOCITY (FT/SEC)	CHARGE WT (GR)	VELOCITY (FT/SEC)
Alliant Reloder® 26	3.560	Fed 215	Fed	74.5	2773	83.7**	3199
IMR 7828	3.560	Fed 215	Fed	77.2	2819	85.5**	3162
Alliant Reloder® 19	3.560	Fed 215	Fed	75.2	2825	83.2**	3158
Vihtavuori N560	3.560	Fed 215	Fed	76.5	2794	84.9**	3149
Alliant Power Pro™ 4000-MR	3.560	Fed 215	Fed	72.1	2837	80.0	3144
Alliant Reloder® 23	3.560	Fed 215	Fed	74.8	2836	83.1**	3144
Alliant Reloder® 22	3.560	Fed 215	Fed	72.8	2779	80.8	3128
Alliant Reloder® 17	3.560	Fed 215	Fed	67.5	2767	74.8	3102
Alliant Reloder® 16	3.560	Fed 215	Fed	69.3	2786	77.0	3102
Hodgdon H4831SC	3.560	Fed 215	Fed	75.2	2784	83.2**	3093
Ramshot Hunter	3.560	Fed 215	Fed	72.3	2805	80.2	3086
Hodgdon H4350	3.560	Fed 215	Fed	69.8	2771	77.4	3080

300 PRC 24" SAAMI chamber Universal Receiver test barrel

				Starting Load		Max Load	
POWDER	OAL (IN)	PRIMER	BRASS	CHARGE WT (GR)	VELOCITY (FT/SEC)	CHARGE WT (GR)	VELOCITY (FT/SEC)
Accurate Magpro	3.650	Fed 215	Hornady	74.8	2878	83.1	3158
Alliant Reloder® 26	3.650	Fed 215	Hornady	71.0	2813	78.8	3158
Alliant Reloder® 25	3.650	Fed 215	Hornady	75.4	2907	83.2	3148
Hodgdon Retumbo	3.650	Fed 215	Hornady	74.4	2815	82.5	3119
Hodgdon H1000	3.650	Fed 215	Hornady	73.9	2838	81.9	3111
IMR 7828	3.650	Fed 215	Hornady	71.0	2771	78.6	3101
Alliant Reloder® 23	3.650	Fed 215	Hornady	67.2	2801	74.5	3088
Hodgdon H4831	3.650	Fed 215	Hornady	70.0	2798	77.8	3069

300 Norma Magnum 24" SAAMI chamber Universal Receiver test barrel

				Starting Load		Max Load	
POWDER	OAL (IN)	PRIMER	BRASS	CHARGE WT (GR)	VELOCITY (FT/SEC)	CHARGE WT (GR)	VELOCITY (FT/SEC)
Alliant Reloder® 33	3.470	Fed 215	Norma	88.8	2817	98.4**	3200
Alliant Reloder® 26	3.470	Fed 215	Norma	75.9	2810	84.2	3148
Hodgdon Retumbo	3.470	Fed 215	Norma	80.0	2813	88.7	3136
Alliant Reloder® 25	3.470	Fed 215	Norma	78.3	2838	87.0	3132
IMR 7828	3.470	Fed 215	Norma	74.8	2818	83.0	3130
Accurate Magpro	3.470	Fed 215	Norma	78.6	2845	86.2	3119
Hodgdon H1000	3.470	Fed 215	Norma	77.6	2869	86.0	3107
Alliant Reloder® 22	3.470	Fed 215	Norma	72.2	2859	79.5	3102
Vihtavuori N565	3.470	Fed 215	Norma	77.6	2816	85.0	3100
Alliant Reloder® 23	3.470	Fed 215	Norma	70.9	2830	78.7	3092
IMR 8133	3.470	Fed 215	Norma	80.5	2737	89.3	3060

300 H&H Magnum 24" SAAMI chamber Universal Receiver test barrel

				Starting Load		Max Load	
POWDER	OAL (IN)	PRIMER	BRASS	CHARGE WT (GR)	VELOCITY (FT/SEC)	CHARGE WT (GR)	VELOCITY (FT/SEC)
Alliant Reloder® 26	3.600	Fed 215	Fed	61.4	2612	68.0	2893
Alliant Power Pro™ 4000-MR	3.600	Fed 215	Fed	57.1	2642	63.1	2866
Alliant Reloder® 16	3.600	Fed 215	Fed	55.4	2656	61.4	2866
Alliant Reloder® 23	3.600	Fed 215	Fed	59.0	2689	64.4	2862
Alliant Reloder® 19	3.600	Fed 215	Fed	57.3	2574	63.6	2838
Alliant Reloder® 17	3.600	Fed 215	Fed	51.3	2608	56.8	2832
Ramshot Hunter	3.600	Fed 215	Fed	56.2	2614	62.5	2831
Vihtavuori N560	3.600	Fed 215	Fed	60.0	2568	65.7	2819
Hodgdon H4831	3.600	Fed 215	Fed	58.4	2613	63.8	2790
IMR 4350	3.600	Fed 215	Fed	51.2	2466	56.8	2717

*COAL greater than SAAMI max OAL **Compressed