

CARTRIDGE: .308 Win. (SAAMI)

Bullet: .308, 180, Flatline - F T/R

Useable Case Capacity: 46.220 grain H₂O = 3.001 cm³

Cartridge O.A.L. L6: 3.125 inch = 79.38 mm

Barrel Length: 26.0 inch = 660.4 mm



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Predicted Data for Indicated Charges of the Following Powders.

Matching Maximum Pressure: 54250 psi, or 374 Mpa

These calculations refer to your specified settings in QuickLOAD 'Cartridge Dimensions' window.

CAUTION: any load listed can result in a powder charge that falls below minimum suggested loads or exceeds maximum suggested loads as presented in current handloading manuals. Understand that all of the listed powders can be unsuitable for the given combination of cartridge, bullet and gun. Actual load order can vary, depending upon lot-to-lot powder and component variations. While none of the following loads should yield pressure signs, we recommend a 2 to 3 grain reduction in the load prior to starting your ladder test(s) **USE ONLY FOR COMPARISON**

Type	mc (gr)	fill (%)	vel (fps)	Pmax (psi)	Z (%)	t (ms)	Pmuz (psi)
Hodgdon CFE223	46.8643	99.0000	2966.7955	54250.1842	97.2825	1.1504	6750.9540
Winchester 748	44.3681	97.0000	2958.7228	54250.1842	98.8899	1.1538	6487.9150
Hodgdon BL-C2	46.1917	99.0000	2955.5889	54250.1842	98.1016	1.1617	6673.5903
Accurate 2520	44.8099	100.0000	2938.5111	54250.1842	99.3542	1.1725	6345.0568
Alliant AR-Comp	41.2186	100.0000	2934.3720	53680.9230	100.0000	1.1591	5697.1834
Somchem S321	44.0738	96.0000	2913.2738	54250.1842	98.3630	1.1735	6397.2237
Hodgdon H335	42.5968	92.0000	2913.0990	54250.1842	99.6535	1.1664	6173.9111
PB Clermont PCL 507	43.5294	98.0000	2912.9351	54250.1842	98.1471	1.1677	6358.9343
Hodgdon H4895	42.6080	100.0000	2909.5700	53127.3848	97.3163	1.1801	6485.2000
ADI AR 2219	40.1356	91.0000	2908.9186	54250.1842	99.9432	1.1625	5983.3016
Hodgdon H322	40.1356	97.0000	2908.9186	54250.1842	99.9432	1.1625	5983.3016
SNPE Vectan SP 10	41.4662	91.0000	2907.0924	54250.1842	99.6170	1.1710	6134.8362
Accurate 2495	41.6818	100.0000	2901.6036	51478.6160	100.0000	1.2204	6086.2104
Vihtavuori N530	41.4935	97.0000	2900.8853	54250.1842	98.2140	1.1698	6273.7952
Somchem S341	45.8362	100.0000	2894.6706	54250.1842	96.6427	1.1656	6269.0940
ADI AR 2206H	42.6080	100.0000	2893.9628	52788.8826	96.6258	1.1853	6453.4118
IMR 8208 XBR	42.1418	99.0000	2889.8902	54250.1842	98.0826	1.1714	6192.5639
ReloadSwiss RS 40	41.1477	95.0000	2889.2619	54250.1842	99.1136	1.1721	6100.0445
SF033 fl, russ. 5,45x39	39.8416	92.0000	2885.5983	54250.1842	100.0000	1.1827	5442.9059
Accurate 2460	43.4198	95.0000	2885.5241	54250.1842	98.8214	1.1888	6120.1919
Lovex D073.5	43.4198	95.0000	2885.5241	54250.1842	98.8214	1.1888	6120.1919
Lovex D073.6	43.9048	100.0000	2881.7865	50726.5057	98.9672	1.2056	6272.7637
Rottweil R901	40.4089	100.0000	2878.4115	54250.1842	99.5639	1.1997	6040.6856
SNPE Vectan SP 7	45.5649	100.0000	2875.7767	54250.1842	94.3568	1.1804	6323.3706
Alliant Reloder-12	41.9542	97.0000	2872.5398	54250.1842	99.9246	1.1718	5825.7044
Alliant Reloder-10x	37.8782	94.0000	2871.0772	54250.1842	100.0000	1.1838	5582.2269
Lovex D073.4	42.5698	93.0000	2870.7174	54250.1842	98.7501	1.1862	6010.7779
Norma 202	41.9133	100.0000	2869.2839	51568.8873	99.4617	1.1967	6110.4821

SNPE Vectan SP 9	43.9974	100.0000	2867.6042	51632.7867	96.2733	1.1909	6357.1848
Ramshot TAC	45.0831	98.0000	2866.5197	54250.1842	93.6963	1.1776	6330.0589
Accurate 2230	43.4299	94.0000	2866.1240	54250.1842	97.5261	1.1836	6079.0432
Ramshot X-Terminator	43.5151	96.0000	2860.3782	54250.1842	96.6257	1.1798	6145.7454
Accurate 2015	39.5694	97.0000	2857.4494	54250.1842	100.0000	1.1901	5542.4795
ADI AR 2210	40.3381	92.0000	2855.3688	54250.1842	98.7221	1.1784	5946.2158
IMR 4895	42.6080	100.0000	2848.1781	48084.8789	95.6814	1.2235	6524.5253
Norma 200	37.6449	90.0000	2847.4929	54250.1842	100.0000	1.2020	5424.8977
ADI BM2	40.6706	90.0000	2845.3305	54250.1842	98.6864	1.1801	5887.1040
Hodgdon Benchmark	40.8643	97.0000	2844.5937	54250.1842	98.5688	1.1803	5894.1823
Accurate 2200	38.4534	89.0000	2843.7741	54250.1842	99.2709	1.1775	5778.8746
IMR 3031	39.8292	100.0000	2842.4351	46193.0019	99.8374	1.2298	6084.8184
Norma 201	41.6818	100.0000	2836.4021	51002.0054	97.6363	1.2184	6177.7706
Lovex S060	41.4502	100.0000	2830.8494	53949.7221	96.7935	1.1828	5941.8370
Ramshot Big Game	45.3868	100.0000	2826.6186	47009.5270	94.7502	1.2221	6446.3829
ADI AR 2206	41.8866	99.0000	2826.6043	54250.1842	97.2757	1.1808	5878.9332
ReloadSwiss RS 52	43.9974	100.0000	2824.6123	44848.4572	96.8338	1.2399	6507.5574
IMR 4198	35.5988	93.0000	2822.4634	54250.1842	100.0000	1.1703	5146.0755
ADI AR 2207	35.3121	89.0000	2815.9203	54250.1842	100.0000	1.1882	5099.9383
Somchem S335	41.6818	100.0000	2813.3434	52721.1487	99.8261	1.2057	5641.8989
Vihtavuori N130	38.5298	97.0000	2813.2305	54250.1842	100.0000	1.1883	5265.8525
Vihtavuori N540	43.0711	100.0000	2810.4735	48015.6213	98.9625	1.2257	6121.8937
Alliant Reloder-15	42.6080	100.0000	2810.4512	47096.6731	94.5768	1.2372	6382.4344
Raufoss RA11	42.6080	100.0000	2810.4512	47096.6731	94.5768	1.2372	6382.4344
Alliant Reloder-7	36.2975	88.0000	2809.1827	54250.1842	100.0000	1.1937	5209.0987
Kazan Sunar 308W	38.3994	92.0000	2804.1894	54250.1842	100.0000	1.1911	5249.8552
Hodgdon H4198	35.9754	90.0000	2800.6958	54250.1842	99.8402	1.1777	5338.5866
Norma 203B	42.6080	100.0000	2799.3668	46189.1064	95.0722	1.2456	6361.4159
Vihtavuori N140	41.7744	100.0000	2789.4315	48284.8895	99.2977	1.2245	5799.3272
Rottweil R902	41.0797	100.0000	2776.4574	48180.7272	97.0333	1.2489	6003.7598
Vihtavuori N120	35.4106	91.0000	2763.6077	54250.1842	100.0000	1.1946	4736.3869
Vihtavuori N133	38.9956	100.0000	2763.1726	50070.4728	99.9999	1.2170	5290.3317
Lovex S062	41.4502	100.0000	2759.7013	45929.6846	96.5966	1.2625	6053.8972
Vihtavuori N125	33.9924	86.0000	2757.1846	54250.1842	100.0000	1.1968	4729.8764
Accurate 4064	41.6818	100.0000	2746.5923	42638.0883	98.6170	1.3082	6133.0954
IMR 4320	41.9133	100.0000	2745.7362	45042.9880	94.1696	1.2488	6042.8686
Hodgdon H380	43.5343	100.0000	2742.8458	44884.3085	91.8916	1.2673	6223.6509
SNPE Vectan SP 11	43.9974	100.0000	2742.5823	42536.7208	93.4093	1.2724	6312.3899
Norma 203 old	43.0711	100.0000	2740.0785	42517.1912	95.2606	1.2895	6274.8447
Bofors RP3	43.0711	100.0000	2740.0785	42517.1912	95.2606	1.2895	6274.8447
ReloadSwiss RS 50	44.3216	100.0000	2726.6099	46316.8244	89.8373	1.2569	6033.2763
ADI AR 2208	41.3576	100.0000	2726.0259	45311.6056	93.6535	1.2511	5972.4890
Hodgdon VARGET	41.2186	100.0000	2717.2918	44873.2630	93.5148	1.2557	5951.6576
Elcho 17	44.6921	100.0000	2703.0338	39099.5132	91.9700	1.3054	6562.9627
Alliant Reloder-17	44.6921	100.0000	2703.0338	39099.5132	91.9700	1.3054	6562.9627
IMR 4064	40.2461	100.0000	2690.1303	43860.1021	93.5360	1.2809	5826.4794
ReloadSwiss RS 60	44.6921	100.0000	2688.6530	38299.1456	92.4345	1.3156	6648.1392

Somchem S355	41.6818	100.0000	2680.6619	41118.7869	94.0611	1.3132	6037.3710
Winchester 760	45.0626	100.0000	2669.4435	40216.6997	85.8752	1.3034	6202.9343
Hodgdon H414	45.0626	100.0000	2669.4435	40216.6997	85.8752	1.3034	6202.9343
Rottweil R903	42.1449	100.0000	2668.0873	39647.8819	93.8569	1.3270	6056.8680
IMR 4007 SSC	43.2101	100.0000	2655.4235	43962.2354	86.9049	1.2920	5838.2801
Vihtavuori N135	38.6251	100.0000	2637.5279	38947.9370	99.1636	1.3377	5497.7113
Vihtavuori N550	43.5343	100.0000	2624.3059	36960.0191	88.8808	1.3482	6165.2022
Accurate 2700	44.4605	100.0000	2607.6818	44378.9625	86.4909	1.2982	5470.9315
PB Clermont PCL 511	45.3868	100.0000	2606.7630	37501.7021	85.4576	1.3408	6090.9015
Bofors RP7	41.8207	100.0000	2568.9498	39937.5490	85.1702	1.3447	5616.5727
Rottweil R907	41.8207	100.0000	2568.9498	39937.5490	85.1702	1.3447	5616.5727
Lovex S065	41.6818	100.0000	2551.4105	37896.5596	87.6012	1.3710	5635.9116
Norma URP	42.1449	100.0000	2536.2998	33950.4068	87.0352	1.3938	5866.4326
ReloadSwiss RS 62	44.6458	100.0000	2534.3219	33230.1536	85.6647	1.3999	6009.3053
Vihtavuori N150	40.1997	100.0000	2523.9641	35037.3882	93.5537	1.3956	5488.6195