

CARTRIDGE: 7.82 Patriot (Lazzeroni)

Bullet: .308, 198, Flatline

Useable Case Capacity: 72.480 grain H₂O = 4.706 cm³

Cartridge O.A.L. L6: 3.335 inch = 84.71 mm

Barrel Length: 30.3 inch = 768.4 mm



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Predicted Data for Indicated Charges of the Following Powders.

Matching Maximum Pressure: 58377 psi, or 402 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)
ReloadSwiss RS 70	71.1725	100.0000	3304.4076	55384.5246	99.4546	1.2954	8779.6671
ReloadSwiss RS 62	68.4008	98.0000	3293.2797	58377.6665	100.0000	1.2972	8130.4876
Alliant Reloder-16	65.0720	100.0000	3274.3917	56806.5393	100.0000	1.3037	7922.3924
Alliant Reloder-26	71.8261	100.0000	3262.3327	49368.9398	99.8735	1.3620	8941.9064
Somchem S365	66.4519	100.0000	3261.8258	56324.2245	100.0000	1.3099	7643.9370
Accurate 4350	65.2874	98.0000	3260.9161	58377.6665	100.0000	1.3121	7899.8477
Norma MRP	69.7200	100.0000	3206.6400	48899.3344	98.2375	1.3720	8844.1430
Bofors RP3	61.4631	91.0000	3205.6680	58377.6665	100.0000	1.3202	7355.6741
Norma 203 old	61.4631	91.0000	3205.6680	58377.6665	100.0000	1.3202	7355.6741
Rottweil R903	61.5052	93.0000	3198.8987	58377.6665	100.0000	1.3203	7287.2814
Alliant Reloder-19	66.8150	100.0000	3179.3998	52451.3538	97.3961	1.3437	8288.8627
Winchester Supreme 780	70.4462	100.0000	3159.8291	54390.5105	97.5621	1.3298	7945.8807
Accurate 4064	59.0164	90.0000	3156.6472	58377.6665	100.0000	1.3453	6860.5604
IMR 7828 SSC	68.6306	100.0000	3155.8384	49197.4946	95.0976	1.3654	8542.1420
IMR 4831	63.9826	100.0000	3154.6212	52899.3306	99.9550	1.3624	7655.4376
Somchem S361	71.1725	100.0000	3148.2773	57002.6413	96.0822	1.3210	7791.7577
Vihtavuori N560	68.2675	100.0000	3132.1909	46880.9138	94.0660	1.3967	8701.4981
Somchem S385	67.5412	100.0000	3131.8891	52011.9075	98.1472	1.3739	7939.9413
ADI AR 2213	67.5412	100.0000	3115.0121	48095.6763	94.5804	1.3794	8385.3527
Alliant Reloder-22	67.5412	100.0000	3111.9815	46392.8320	96.2143	1.4069	8471.2638
Raufoss RA15	67.5412	100.0000	3111.9815	46392.8320	96.2143	1.4069	8471.2638
Hodgdon H4831 SC	67.5412	100.0000	3098.4067	50342.2744	94.5484	1.3684	7986.4716
Accurate MAGPRO	71.0272	100.0000	3093.5913	45703.3482	91.8626	1.4161	8629.9651
Ramshot Magnum	72.7702	100.0000	3061.7042	45496.7219	96.4777	1.4131	8151.1327
Alliant Reloder-23	65.3625	100.0000	3039.0906	42551.3910	99.7837	1.4553	7840.9374
Rottweil R905	66.3066	100.0000	3028.5831	44847.3657	93.3389	1.4317	8037.5189
Bofors RP15	66.0887	100.0000	3027.5271	42793.5103	94.9116	1.4538	8254.2335
Winchester WXR	66.0887	100.0000	3027.5271	42793.5103	94.9116	1.4538	8254.2335

Accurate 3100	66.8150	100.0000	3018.5400	46167.5849	98.4012	1.4516	7630.8123
SNPE Vectan SP 12	71.3177	100.0000	2998.9632	41721.0161	93.0748	1.4584	8344.3842
PB Clermont PCL 517	71.3177	100.0000	2992.7598	41503.4106	92.8308	1.4614	8334.9149
Hodgdon H4831	64.9267	100.0000	2976.0524	44504.0983	92.6913	1.4386	7665.4019
IMR 7828	64.9267	100.0000	2975.4468	41355.6445	92.2391	1.4645	8054.9324
Alliant Reloder-25	66.4519	100.0000	2968.1827	38807.8387	97.4344	1.4989	8182.3462
Vihtavuori N165	66.0887	100.0000	2952.6420	43767.4001	95.8450	1.4581	7402.4330
ADI AP 2214	69.3569	100.0000	2949.6380	41775.4219	92.1131	1.4620	7927.0177
Norma MRP 2	66.8150	100.0000	2855.4767	35117.3632	90.4369	1.5642	8022.9306
Bofors RP30	66.8150	100.0000	2855.4767	35117.3632	90.4369	1.5642	8022.9306
Lovex S071	63.1837	100.0000	2852.4988	38748.1964	96.5617	1.5541	7294.4395
Vihtavuori N570	70.4462	100.0000	2803.4981	33941.3810	81.4996	1.5838	8135.2790
Hodgdon H1000	66.0887	100.0000	2784.0011	35663.8921	88.7903	1.5597	7410.3712
ADI AR 2217	66.0887	100.0000	2784.0011	35663.8921	88.7903	1.5597	7410.3712
Hodgdon Retumbo	67.1781	100.0000	2734.1647	31521.8069	90.6184	1.6314	7794.7746
ADI AR 2225	67.1781	100.0000	2734.1647	31521.8069	90.6184	1.6314	7794.7746
Alliant Reloder-33	72.4797	100.0000	2710.5732	31653.4043	79.8461	1.6337	7789.4418
Lovex D100	71.8987	100.0000	2654.3329	34906.2057	76.4847	1.6017	6630.7593
ReloadSwiss RS 80	72.4797	100.0000	2652.3982	30207.1249	78.8278	1.6655	7596.2419
Vihtavuori N170	66.0887	100.0000	2635.0289	32529.6532	80.3177	1.6513	6760.5092
Norma 217	65.7982	100.0000	2630.5705	27575.1242	86.9152	1.7165	7602.6346
ADI AR 2218	71.1725	100.0000	2621.8505	30949.0488	73.9913	1.6555	7317.3352
Vihtavuori 24N41	71.1725	100.0000	2621.3079	32810.3297	72.5795	1.6300	6744.3706
Hodgdon H870	68.9937	100.0000	2582.0976	27866.0735	78.7818	1.7190	7265.6220
Alliant Reloder-50	72.2619	100.0000	2505.1774	25375.1917	73.6651	1.8217	7201.8602
Hodgdon 50BMG	67.8317	100.0000	2446.9680	27468.7066	64.5718	1.7502	6133.5331
Hodgdon US 869	71.1725	100.0000	2441.4237	27151.8706	68.1957	1.7613	6179.6109
SNPE Vectan SP 13	68.2675	100.0000	2403.7106	24996.6966	72.8391	1.8127	6190.5048
Accurate 8700	69.7200	100.0000	2355.9341	24649.5419	69.8828	1.8269	5957.2092