

CARTRIDGE: .300 PRC

Bullet: .308, 198, Flatline

Useable Case Capacity: 87.876 grain H₂O = 5.706 cm³

Cartridge O.A.L. L6: 3.840 inch = 97.54 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: 56875 psi, or 392 Mpa or a maximum loading ratio or filling of 100 %

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)
Alliant Reloder-26	79.2363	91.0000	3044.0925	56875.0761	100.0000	1.3113	12506.2405
PB Clermont PCL 517	84.0523	97.0000	3043.6172	56875.0761	99.6064	1.2870	13021.1943
SNPE Vectan SP 12	83.9093	97.0000	3042.4538	56875.0761	99.6403	1.2875	12991.8133
Alliant Reloder-25	80.2810	100.0000	3035.3621	56875.0761	100.0000	1.2911	12227.6111
Vihtavuori N560	77.6319	94.0000	3028.5573	56875.0761	98.9737	1.2968	13126.6437
Norma MRP	77.7878	92.0000	3027.8244	56875.0761	100.0000	1.3044	12679.4768
ReloadSwiss RS 70	77.2500	90.0000	3026.0446	56875.0761	100.0000	1.2858	12304.4273
Accurate MAGPRO	81.1573	94.0000	3023.5416	56875.0761	98.0016	1.3041	13287.4222
IMR 7828 SSC	77.3290	93.0000	3022.8439	56875.0761	99.3119	1.2842	12740.1260
IMR 7828	77.3290	98.0000	3022.8439	56875.0761	99.3119	1.2842	12740.1260
ADI AP 2214	82.5242	98.0000	3018.1572	56875.0761	99.4982	1.2770	12570.0213
ADI AR 2213	76.9741	94.0000	3011.0401	56875.0761	99.2472	1.2816	12639.9793
Raufoss RA15	76.9925	94.0000	3002.7097	56875.0761	99.8009	1.3033	12562.1911
Alliant Reloder-22	76.9925	94.0000	3002.7097	56875.0761	99.8009	1.3033	12562.1911
Bofors RP15	77.3680	97.0000	3002.0806	56875.0761	99.7542	1.3035	12585.5589
Winchester WXR	77.3680	97.0000	3002.0806	56875.0761	99.7542	1.3035	12585.5589
Vihtavuori N570	85.4110	100.0000	2997.3623	51121.9761	95.0906	1.3534	14207.1132
Ramshot Magnum	83.3863	95.0000	2994.3712	56875.0761	99.9798	1.2968	12109.4222
Norma MRP 2	81.0084	100.0000	2985.1424	53781.1307	99.2358	1.3408	13026.4604
Bofors RP30	81.0084	100.0000	2985.1424	53781.1307	99.2358	1.3408	13026.4604
ReloadSwiss RS 60	70.5258	83.0000	2976.8957	56875.0761	100.0000	1.2985	11164.8832
Rottweil R905	76.6842	95.0000	2974.6306	56875.0761	98.9336	1.3025	12345.7431
ADI AR 2209	73.1587	91.0000	2963.4920	56875.0761	99.7256	1.2904	11915.2435
Alliant Reloder-19	73.8544	91.0000	2960.2304	56875.0761	99.7400	1.2987	11964.7472
Alliant Reloder-23	76.0878	96.0000	2959.6211	56875.0761	100.0000	1.3146	11248.8456
Alliant Reloder-16	68.3562	87.0000	2956.8702	56875.0761	100.0000	1.2949	11087.1811
Alliant Reloder-17	69.7929	82.0000	2954.8747	56875.0761	100.0000	1.3061	11084.0028
Elcho 17	69.7929	82.0000	2954.8747	56875.0761	100.0000	1.3061	11084.0028

PB Clermont PCL 518	73.2715	88.0000	2951.8412	56875.0761	100.0000	1.3066	11568.1348
PB Clermont PCL 511	72.5540	84.0000	2948.0044	56875.0761	100.0000	1.3070	11469.7815
Ramshot Hunter	72.6713	87.0000	2946.9090	56875.0761	100.0000	1.3072	11456.1221
Hodgdon H414	70.2466	82.0000	2945.1230	56875.0761	100.0000	1.3084	11502.6239
Winchester 760	70.2466	82.0000	2945.1230	56875.0761	100.0000	1.3084	11502.6239
Hodgdon H4831	75.9353	96.0000	2944.1838	56875.0761	98.7413	1.2945	11936.6482
Hodgdon H4831 SC	75.9353	93.0000	2944.1838	56875.0761	98.7413	1.2945	11936.6482
ReloadSwiss RS 62	72.3973	85.0000	2940.7109	56875.0761	100.0000	1.3234	11211.2424
Norma 204	72.4865	87.0000	2938.8360	56875.0761	99.6551	1.2985	11681.7676
Raufoss RA4	72.4865	89.0000	2938.8360	56875.0761	99.6551	1.2985	11681.7676
Somchem S385	74.7885	91.0000	2922.1907	56875.0761	99.9585	1.3215	11408.9333
Winchester Supreme 780	77.2572	90.0000	2920.5145	56875.0761	99.7041	1.3049	11459.9038
Vihtavuori N550	69.4080	84.0000	2919.7610	56875.0761	100.0000	1.3192	11059.4506
Norma URP	69.1550	86.0000	2919.1673	56875.0761	100.0000	1.3155	10928.4155
Somchem S365	70.7184	88.0000	2918.1918	56875.0761	100.0000	1.3238	10588.5562
Alliant Reloder-33	87.8765	100.0000	2917.6011	47625.6557	94.3806	1.3915	13802.9359
Hodgdon H1000	80.1278	100.0000	2917.5711	51299.7198	98.7918	1.3398	12260.0805
ADI AR 2217	80.1278	100.0000	2917.5711	51299.7198	98.7918	1.3398	12260.0805
Rottweil R904	72.2057	90.0000	2914.0501	56875.0761	99.2030	1.2992	11452.3275
Vihtavuori N165	77.2886	96.0000	2912.5365	56875.0761	99.8928	1.3099	11213.6633
Accurate 4350	69.1949	85.0000	2911.3362	56875.0761	100.0000	1.3371	10880.0241
IMR 4955 Enduron	73.9851	94.0000	2910.1749	56875.0761	98.8584	1.2963	11546.3124
Accurate 3100	76.2370	94.0000	2905.1671	56875.0761	100.0000	1.3403	11038.7738
Lovex S071	76.2370	100.0000	2905.1671	56875.0761	100.0000	1.3403	11038.7738
IMR 4831	70.2338	91.0000	2901.1871	56875.0761	100.0000	1.3257	10701.8069
Vihtavuori N160	75.0469	97.0000	2900.3337	56875.0761	99.1461	1.3024	11279.1405
Hodgdon H4350	70.5366	89.0000	2898.5290	56875.0761	99.9507	1.3025	10990.8746
IMR 4350	70.3775	87.0000	2897.4485	56875.0761	99.9645	1.3025	10962.3402
SNPE Vectan SP 11	67.4431	81.0000	2894.0935	56875.0761	100.0000	1.3130	10510.9084
Lovex S070	69.2611	86.0000	2892.9283	56875.0761	100.0000	1.3217	10946.5552
Somchem S361	77.4146	90.0000	2888.9633	56875.0761	98.7115	1.3103	11311.4372
ADI AR 2225	81.4486	100.0000	2884.8341	46065.9780	99.8524	1.4030	12636.9479
Hodgdon Retumbo	81.4486	100.0000	2884.8341	46065.9780	99.8524	1.4030	12636.9479
IMR 4451 Enduron	67.0243	84.0000	2880.3938	56875.0761	99.9973	1.2980	10739.2821
Rottweil R907	67.4448	85.0000	2878.8536	56875.0761	99.9610	1.3132	10842.7390
Bofors RP7	67.4448	85.0000	2878.8536	56875.0761	99.9610	1.3132	10842.7390
IMR 4007 SSC	67.4991	82.0000	2878.2975	56875.0761	99.9605	1.3132	10836.5095
ReloadSwiss RS 50	67.5974	80.0000	2876.6961	56875.0761	100.0000	1.3128	10617.6629
Hodgdon Hybrid 100V	69.4578	89.0000	2875.1614	56875.0761	100.0000	1.3170	10103.2935
ReloadSwiss RS 80	87.8765	100.0000	2872.9707	45276.1867	94.3002	1.4147	13623.2672
Lovex S065	67.7757	86.0000	2868.2938	56875.0761	100.0000	1.3213	10510.0097
IMR 4320	64.1297	80.0000	2863.2238	56875.0761	100.0000	1.3029	10042.0390
IMR 7977 Enduron	79.0877	99.0000	2861.2233	56875.0761	92.9431	1.2977	11348.3168
IMR 4166 Enduron	64.5800	83.0000	2857.0195	56875.0761	99.9999	1.3023	10414.7399
ADI AR 2218	86.2915	100.0000	2855.0724	44617.6776	92.2192	1.4080	13834.1718
Rottweil R903	65.3965	82.0000	2852.7655	56875.0761	100.0000	1.3382	10048.3021

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