

## CARTRIDGE: .284 Win.

Bullet: .284, 151, Flatline, Friction Proofed  
Useable Case Capacity: 58.096 grain H<sub>2</sub>O = 3.772 cm<sup>3</sup>  
Cartridge O.A.L. L6: 3.200 inch = 81.28 mm  
Barrel Length: 29.0 inch = 736.6 mm



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*Predicted Data for Indicated Charges of the Following Powders.*

Matching Maximum Pressure: 55839 psi, or 385 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 60	53.3422	95.0000	3080.9811	55839.5071	100.0000	1.3167	8349.5927
Alliant Reloder-17	52.7973	94.0000	3059.7239	55839.5071	100.0000	1.3247	8295.4136
Elcho 17	52.7973	94.0000	3059.7239	55839.5071	100.0000	1.3247	8295.4136
ReloadSwiss RS 70	57.0483	100.0000	3055.4121	53455.9795	99.7064	1.3390	9083.5069
ReloadSwiss RS 62	54.7400	98.0000	3036.1336	55839.5071	100.0000	1.3452	8376.3746
PB Clermont PCL 511	54.4336	95.0000	3030.5716	55839.5071	99.9039	1.3347	8540.9338
Ramshot Hunter	54.5151	99.0000	3029.1798	55839.5071	99.9023	1.3348	8528.9347
Hodgdon H414	52.6795	93.0000	3023.0479	55839.5071	99.6312	1.3382	8526.1873
Winchester 760	52.6795	93.0000	3023.0479	55839.5071	99.6312	1.3382	8526.1873
Alliant Reloder-16	52.1585	100.0000	3020.5003	54770.1278	100.0000	1.3482	8158.1531
Accurate 4350	52.3424	98.0000	3007.3134	55839.5071	100.0000	1.3601	8140.7424
Vihtavuori N550	52.0878	95.0000	3007.1887	55839.5071	100.0000	1.3485	8261.5501
Norma URP	51.9512	98.0000	3007.0393	55839.5071	100.0000	1.3434	8149.7576
Somchem S365	53.2645	100.0000	3004.5155	54167.3309	100.0000	1.3570	7892.4280
Alliant Reloder-26	57.5722	100.0000	3003.7069	46704.5176	99.9541	1.4236	9270.0885
Norma 204	53.9675	98.0000	3001.1862	55839.5071	98.5234	1.3327	8530.4440
Raufoss RA4	53.5556	100.0000	2978.5610	54398.5614	98.3203	1.3477	8483.1363
Lovex S070	51.6057	97.0000	2961.9239	55839.5071	99.6452	1.3577	8080.5345
Norma MRP	55.8841	100.0000	2958.6509	46480.8673	98.6125	1.4298	9178.4777
Hodgdon H380	49.3924	90.0000	2957.7452	55839.5071	100.0000	1.3571	7847.0027
ADI AR 2209	53.2645	100.0000	2956.8581	51620.1936	98.0010	1.3683	8567.8793
Norma 203 old	49.1782	91.0000	2949.7957	55839.5071	100.0000	1.3681	7559.8877
Bofors RP3	49.1782	91.0000	2949.7957	55839.5071	100.0000	1.3681	7559.8877
Rottweil R903	49.2035	93.0000	2943.9592	55839.5071	100.0000	1.3681	7487.6343
Hodgdon Hybrid 100V	51.8092	100.0000	2943.7952	54389.0778	100.0000	1.3587	7465.2579
Alliant Reloder-19	53.5556	100.0000	2942.0801	50538.2456	97.9393	1.3876	8586.6195
Somchem S355	48.5838	93.0000	2936.8347	55839.5071	100.0000	1.3628	7488.5735
Lovex S065	50.3458	96.0000	2936.3510	55839.5071	99.9340	1.3594	7769.0407

Bofors RP7	49.8595	95.0000	2935.4140	55839.5071	99.2361	1.3541	7919.9238
Rottweil R907	49.8595	95.0000	2935.4140	55839.5071	99.2361	1.3541	7919.9238
IMR 4007 SSC	49.8973	92.0000	2934.7323	55839.5071	99.2339	1.3542	7914.4981
SNPE Vectan SP 7	48.9284	85.0000	2927.5737	55839.5071	99.9995	1.3607	7560.9670
Winchester Supreme 780	56.4662	100.0000	2925.7973	52341.3407	98.0890	1.3733	8240.9076
Rottweil R904	52.7988	100.0000	2925.3819	53374.0805	97.2336	1.3648	8188.5684
Somchem S361	57.0483	100.0000	2921.3762	55175.4901	96.7593	1.3591	8086.6041
IMR 7828 SSC	55.0109	100.0000	2917.8584	47076.2058	95.7863	1.4186	8889.1542
IMR 4831	51.2853	100.0000	2910.0515	50604.2513	99.9985	1.4114	7882.4272
Lovex D073.6	47.4390	86.0000	2908.8782	55839.5071	100.0000	1.3742	7076.9917
Accurate 4064	47.4249	91.0000	2905.3962	55839.5071	100.0000	1.3926	7084.7498
Somchem S385	54.1377	100.0000	2895.0125	49636.4803	98.5587	1.4220	8221.3646
Vihtavuori N560	54.7198	100.0000	2893.4910	44563.9387	94.7280	1.4579	9056.1379
ADI AR 2213	54.1377	100.0000	2879.4094	46028.0655	95.2885	1.4341	8723.5719
Accurate 2495	44.6530	85.0000	2876.1402	55839.5071	100.0000	1.4006	6822.4378
Alliant Reloder-22	54.1377	100.0000	2872.2287	44002.5242	96.7394	1.4704	8798.9619
Raufoss RA15	54.1377	100.0000	2872.2287	44002.5242	96.7394	1.4704	8798.9619
Hodgdon H4831 SC	54.1377	100.0000	2868.7903	48355.5890	95.2927	1.4151	8300.3508
Accurate MAGPRO	56.9319	100.0000	2857.1158	43128.0827	92.5306	1.4848	9001.2395
Ramshot Magnum	58.3290	100.0000	2823.6413	42879.3321	96.9442	1.4835	8491.1237
Rottweil R905	53.1481	100.0000	2797.2892	42452.6564	94.0123	1.4987	8360.1052
Alliant Reloder-23	52.3913	100.0000	2792.1195	39920.8595	99.8785	1.5361	8116.0074
Winchester WXR	52.9734	100.0000	2790.5115	40295.2852	95.4349	1.5304	8577.0717
Bofors RP15	52.9734	100.0000	2790.5115	40295.2852	95.4349	1.5304	8577.0717
Accurate 3100	53.5556	100.0000	2777.5518	42932.9514	98.6542	1.5287	7914.9373
SNPE Vectan SP 12	57.1647	100.0000	2760.3879	39023.9104	93.5828	1.5447	8705.7727
PB Clermont PCL 517	57.1647	100.0000	2754.3994	38800.5004	93.3383	1.5488	8696.7095
Hodgdon H4831	52.0420	100.0000	2750.5438	42338.0160	93.4308	1.5010	7969.4430
IMR 7828	52.0420	100.0000	2741.7927	39000.6144	92.8791	1.5453	8386.8360
Vihtavuori N165	52.9734	100.0000	2725.3158	41339.9929	96.3713	1.5265	7684.4916
Alliant Reloder-25	53.2645	100.0000	2723.4630	36199.5017	97.7004	1.5968	8502.9458
Vihtavuori N160	51.3435	100.0000	2721.0453	42908.7706	94.5331	1.5042	7566.0548
ADI AP 2214	55.5930	100.0000	2717.4559	39364.6186	92.7287	1.5422	8271.7454
Lovex S071	50.6449	100.0000	2615.7129	35266.8951	96.7637	1.6698	7566.9391
Norma MRP 2	53.5556	100.0000	2613.1958	32137.2638	90.6235	1.6953	8348.8511
Bofors RP30	53.5556	100.0000	2613.1958	32137.2638	90.6235	1.6953	8348.8511
Vihtavuori N570	56.4662	100.0000	2562.1957	30960.7572	81.5697	1.7259	8476.8379
Hodgdon H1000	52.9734	100.0000	2552.9649	33092.6868	89.1792	1.6727	7723.1894
ADI AR 2217	52.9734	100.0000	2552.9649	33092.6868	89.1792	1.6727	7723.1894
ADI AR 2225	53.8466	100.0000	2485.9938	28641.1629	90.3873	1.7885	8096.0042
Hodgdon Retumbo	53.8466	100.0000	2485.9938	28641.1629	90.3873	1.7885	8096.0042
Alliant Reloder-33	58.0961	100.0000	2467.3603	28532.6543	79.5627	1.7991	8094.1345
Lovex D100	57.6304	100.0000	2443.4015	32108.4528	76.9459	1.7203	6925.9309
Vihtavuori N170	52.9734	100.0000	2420.0040	29443.2005	80.6217	1.7957	7027.9275
ReloadSwiss RS 80	58.0961	100.0000	2405.5513	27053.2088	78.2506	1.8471	7872.3105
Vihtavuori 24N41	57.0483	100.0000	2401.0235	30074.6986	72.7569	1.7677	7034.2946
ADI AR 2218	57.0483	100.0000	2373.6940	28084.4586	73.3028	1.8214	7573.0202

Norma 217	52.7406	100.0000	2371.5138	24269.5256	85.9793	1.9382	7851.8141
Hodgdon H870	55.3019	100.0000	2334.2461	24676.8286	77.9605	1.9298	7501.3965
Alliant Reloder-50	57.9215	100.0000	2241.8069	21667.4667	71.9484	2.0589	7365.8097
Hodgdon 50BMG	54.3705	100.0000	2227.7780	24509.5183	64.2742	1.9495	6350.7857
Hodgdon US 869	57.0483	100.0000	2216.5671	24103.9508	67.6381	1.9689	6390.2665
SNPE Vectan SP 13	54.7198	100.0000	2169.1170	21765.1646	71.8150	2.0586	6365.1407
Accurate 8700	55.8841	100.0000	2114.6273	21513.9325	68.4145	2.0750	6098.2341