

## CARTRIDGE: 7 mm Rem SA Ultra Mag

Bullet: .284, 151, Flatline

Useable Case Capacity: 64.784 grain H<sub>2</sub>O = 4.206 cm<sup>3</sup>

Cartridge O.A.L. L6: 3.000 inch = 76.20 mm

Barrel Length: 32.0 inch = 812.8 mm



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

Matching Maximum Pressure: 56875 psi, or 392 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)
Alliant Reloder-26	64.1204	100.0000	3278.9036	56875.0761	100.0000	1.4063	8618.5170
Norma MRP	62.3168	100.0000	3235.9258	55860.1654	99.9980	1.4178	8728.7647
ReloadSwiss RS 70	61.8440	97.0000	3233.4259	56875.0761	100.0000	1.3959	8449.9464
ReloadSwiss RS 60	56.9170	91.0000	3200.9280	56875.0761	100.0000	1.4028	7723.1819
IMR 7828 SSC	61.3431	100.0000	3197.7898	55402.3478	98.9506	1.4127	8658.2891
Vihtavuori N560	61.0185	100.0000	3175.9764	52962.0698	98.3107	1.4482	8890.0253
Alliant Reloder-17	56.2635	90.0000	3175.9551	56875.0761	100.0000	1.4130	7669.6727
Elcho 17	56.2635	90.0000	3175.9551	56875.0761	100.0000	1.4130	7669.6727
ADI AR 2209	58.4403	98.0000	3164.3925	56875.0761	99.6011	1.4060	8181.2053
Alliant Reloder-19	59.0302	99.0000	3162.4050	56875.0761	99.6282	1.4148	8224.6218
PB Clermont PCL 511	58.1422	91.0000	3155.5178	56875.0761	100.0000	1.4214	7906.2729
ADI AR 2213	60.3694	100.0000	3154.2162	53835.9047	98.6220	1.4309	8549.3748
Ramshot Hunter	58.2311	94.0000	3154.0684	56875.0761	100.0000	1.4218	7895.4270
ReloadSwiss RS 62	58.2854	93.0000	3153.8666	56875.0761	100.0000	1.4343	7719.7499
Alliant Reloder-16	55.8723	96.0000	3151.6423	56875.0761	100.0000	1.4260	7546.0950
Hodgdon H414	56.2927	89.0000	3150.9401	56875.0761	99.9921	1.4237	7919.1659
Winchester 760	56.2927	89.0000	3150.9401	56875.0761	99.9921	1.4237	7919.1659
Accurate MAGPRO	63.4852	100.0000	3149.4228	51974.9301	96.9560	1.4678	8918.1203
Raufoss RA15	60.3694	100.0000	3145.3553	52560.8251	99.4064	1.4604	8537.5771
Alliant Reloder-22	60.3694	100.0000	3145.3553	52560.8251	99.4064	1.4604	8537.5771
Somchem S365	57.1233	96.0000	3136.2945	56875.0761	100.0000	1.4316	7305.2708
Raufoss RA4	57.8117	97.0000	3134.4962	56875.0761	99.4952	1.4178	8012.0993
Norma 204	57.8117	94.0000	3134.4962	56875.0761	99.4952	1.4178	8012.0993
Hodgdon H4831 SC	60.3694	100.0000	3129.0101	56513.0834	98.4093	1.4177	8135.8094
Vihtavuori N550	55.6341	91.0000	3128.7986	56875.0761	100.0000	1.4348	7649.6755
Norma URP	55.4736	94.0000	3127.5159	56875.0761	100.0000	1.4302	7540.9307
Accurate 4350	55.7140	93.0000	3123.5747	56875.0761	100.0000	1.4492	7503.7944
Somchem S385	59.8369	99.0000	3121.0685	56875.0761	99.9030	1.4386	7821.9982

Winchester Supreme 780	61.5406	98.0000	3110.7801	56875.0761	99.5564	1.4236	7829.3238
Ramshot Magnum	65.0432	100.0000	3110.1492	51698.4142	99.6790	1.4641	8172.7541
IMR 4831	56.3749	99.0000	3106.9360	56875.0761	100.0000	1.4413	7365.7778
Rottweil R904	57.4320	98.0000	3100.4400	56875.0761	98.9250	1.4226	7817.9026
Lovex S070	55.2603	94.0000	3088.9323	56875.0761	99.9935	1.4431	7525.7539
Hodgdon H380	52.8651	87.0000	3080.0651	56875.0761	100.0000	1.4428	7280.3956
Hodgdon Hybrid 100V	55.7398	96.0000	3077.0110	56875.0761	100.0000	1.4332	6929.0685
Rottweil R905	59.2659	100.0000	3068.7560	50630.1299	97.7673	1.4895	8237.0779
Somchem S361	61.4569	97.0000	3066.9791	56875.0761	98.3657	1.4371	7680.2450
Bofors RP7	53.5601	91.0000	3066.6442	56875.0761	99.8657	1.4383	7432.3778
Rottweil R907	53.5601	91.0000	3066.6442	56875.0761	99.8657	1.4383	7432.3778
IMR 4007 SSC	53.6012	89.0000	3065.9288	56875.0761	99.8648	1.4384	7427.4437
Bofors RP15	59.0711	100.0000	3064.5576	48202.8202	98.7632	1.5173	8400.8659
Winchester WXR	59.0711	100.0000	3064.5576	48202.8202	98.7632	1.5173	8400.8659
SNPE Vectan SP 12	63.7449	100.0000	3063.8642	47035.8671	98.1330	1.5187	8594.1169
Norma 203 old	52.4569	87.0000	3063.1909	56875.0761	100.0000	1.4562	7001.5548
Bofors RP3	52.4569	87.0000	3063.1909	56875.0761	100.0000	1.4562	7001.5548
Lovex S065	53.9721	92.0000	3060.8960	56875.0761	100.0000	1.4449	7221.4567
PB Clermont PCL 517	63.7449	100.0000	3058.5891	46766.6007	97.9963	1.5226	8598.0082
Rottweil R903	52.4914	89.0000	3057.4703	56875.0761	100.0000	1.4562	6931.3525
Somchem S355	51.9565	89.0000	3053.3494	56875.0761	100.0000	1.4496	6953.3021
Alliant Reloder-23	58.4220	100.0000	3047.0877	48240.6165	100.0000	1.5208	7601.8110
Accurate 3100	59.7203	100.0000	3038.0217	52265.4941	99.9961	1.5080	7513.5331
IMR 7828	58.0325	100.0000	3022.8680	46089.6169	97.2686	1.5325	8318.7496
Hodgdon H4831	58.0325	100.0000	3010.3587	49629.2160	97.2241	1.4997	7891.0695
Accurate 4064	50.3554	86.0000	3009.1419	56875.0761	100.0000	1.4831	6536.8533
ADI AP 2214	61.9922	100.0000	3007.5786	46557.0058	97.4755	1.5260	8212.5673
Alliant Reloder-25	59.3957	100.0000	3005.1969	43307.6877	99.9449	1.5755	8157.3566
Vihtavuori N165	59.0711	100.0000	2978.8179	49241.2733	99.1483	1.5204	7472.0516
Vihtavuori N160	57.2536	100.0000	2966.5681	50045.9287	97.8338	1.5083	7449.4511
Norma MRP 2	59.7203	100.0000	2914.1133	39271.7044	96.1861	1.6581	8381.3045
Bofors RP30	59.7203	100.0000	2914.1133	39271.7044	96.1861	1.6581	8381.3045
Vihtavuori N570	62.9659	100.0000	2889.2702	37700.4465	89.4388	1.6810	8826.9579
Lovex S071	56.4746	100.0000	2880.6656	43430.5776	99.5107	1.6376	7323.0273
Hodgdon H1000	59.0711	100.0000	2842.8020	39324.8037	95.1728	1.6494	7818.6845
ADI AR 2217	59.0711	100.0000	2842.8020	39324.8037	95.1728	1.6494	7818.6845
Hodgdon Retumbo	60.0448	100.0000	2800.6340	34605.4979	97.0825	1.7378	8217.3018
ADI AR 2225	60.0448	100.0000	2800.6340	34605.4979	97.0825	1.7378	8217.3018
Alliant Reloder-33	64.7835	100.0000	2799.1148	34968.0880	88.1905	1.7436	8529.2045
ReloadSwiss RS 80	64.7835	100.0000	2744.1244	33233.3444	87.6309	1.7809	8383.4071
Lovex D100	64.2642	100.0000	2721.9797	38588.2962	83.7793	1.6956	7204.6442
ADI AR 2218	63.6151	100.0000	2713.7521	33829.8348	84.0965	1.7686	8325.1364
Norma 217	58.8115	100.0000	2703.6086	30216.8419	94.3214	1.8371	8138.7626
Vihtavuori 24N41	63.6151	100.0000	2694.1098	35940.9191	80.4578	1.7338	7445.0299
Vihtavuori N170	59.0711	100.0000	2693.3257	36101.1193	87.1213	1.7600	7258.0734
Hodgdon H870	61.6677	100.0000	2660.9364	30416.2743	87.1971	1.8397	7989.4753
Alliant Reloder-50	64.5888	100.0000	2596.3248	27710.0030	82.6092	1.9282	8038.7609

Hodgdon 50BMG	60.6291	100.0000	2514.9245	29745.1028	72.1271	1.8889	6843.0005
Hodgdon US 869	63.6151	100.0000	2511.3007	29393.3050	76.1250	1.8858	6889.2742
SNPE Vectan SP 13	61.0185	100.0000	2469.9937	26952.9062	80.8644	1.9459	6851.3939
Accurate 8700	62.3168	100.0000	2425.7688	26455.2176	78.6966	1.9828	6717.1234
Vihtavuori 20N29	64.2642	100.0000	2396.7294	25194.6449	75.1657	2.0220	6718.9268