

CARTRIDGE: 7 mm Rem SA Ultra Mag

Bullet: .284, 151, Flatline

Useable Case Capacity: 61.906 grain H₂O = 4.019 cm³

Cartridge O.A.L. L6: 3.076 inch = 78.13 mm

Barrel Length: 27.0 inch = 685.8 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)
ReloadSwiss RS 70	64.3123	99.0000	3280.4956	56875.0761	99.6694	1.2056	10626.9055
ReloadSwiss RS 60	59.3242	93.0000	3271.7767	56875.0761	100.0000	1.2085	9757.2974
Alliant Reloder-26	65.4047	100.0000	3259.6087	52404.3407	99.9912	1.2600	10837.8923
Alliant Reloder-17	58.6863	92.0000	3246.7350	56875.0761	100.0000	1.2166	9695.3406
Elcho 17	58.6863	92.0000	3246.7350	56875.0761	100.0000	1.2166	9695.3406
Alliant Reloder-16	58.2691	98.0000	3220.1825	56875.0761	100.0000	1.2286	9572.9317
ReloadSwiss RS 62	60.7627	95.0000	3215.9091	56875.0761	99.9997	1.2372	9790.9266
Somchem S365	59.6082	99.0000	3210.7067	56875.0761	100.0000	1.2323	9253.5407
Ramshot Hunter	60.6397	97.0000	3209.7717	56875.0761	99.7324	1.2258	9940.0450
Norma MRP	63.4868	100.0000	3205.6839	51607.5040	98.7872	1.2691	10773.1679
Winchester 760	58.6241	91.0000	3205.4957	56875.0761	99.3523	1.2278	9950.7862
Hodgdon H414	58.6241	91.0000	3205.4957	56875.0761	99.3523	1.2278	9950.7862
ADI AR 2209	60.5109	100.0000	3197.2479	56085.5551	98.0872	1.2192	10100.1026
Norma URP	57.7894	96.0000	3190.7137	56875.0761	100.0000	1.2326	9539.1641
Vihtavuori N550	57.9446	93.0000	3189.5433	56875.0761	99.9980	1.2374	9653.5619
Accurate 4350	58.0720	95.0000	3187.3330	56875.0761	100.0000	1.2505	9525.1107
Norma 204	60.1294	96.0000	3182.0904	56875.0761	98.0577	1.2217	9917.4449
Raufoss RA4	60.1294	99.0000	3182.0904	56875.0761	98.0577	1.2217	9917.4449
Alliant Reloder-19	60.8415	100.0000	3179.6703	55131.5776	98.0235	1.2367	10116.2997
SNPE Vectan SP 11	56.2906	90.0000	3167.4536	56875.0761	100.0000	1.2315	9165.9501
IMR 7828 SSC	62.4948	100.0000	3162.4037	51638.0575	96.0430	1.2604	10473.5429
Ramshot Big Game	56.1999	87.0000	3161.1892	56875.0761	100.0000	1.2318	9072.4798
ReloadSwiss RS 52	54.7727	87.0000	3159.3716	56875.0761	100.0000	1.2392	8925.2848
IMR 4895	52.4989	86.0000	3156.9026	56875.0761	100.0000	1.2383	9087.0455
Winchester Supreme 780	63.9568	100.0000	3156.5986	56875.0761	98.1537	1.2263	9676.0603
Raufoss RA11	52.9866	87.0000	3148.9424	56875.0761	100.0000	1.2385	9060.5840
Alliant Reloder-15	52.9866	87.0000	3148.9424	56875.0761	100.0000	1.2385	9060.5840
Hodgdon Hybrid 100V	58.0729	99.0000	3148.7567	56875.0761	100.0000	1.2321	8783.3165

IMR 4831	58.2624	100.0000	3148.3332	55463.5790	100.0000	1.2562	9301.3968
Rottweil R904	59.6869	100.0000	3145.7982	56875.0761	97.1374	1.2257	9632.4392
Norma 203B	53.2392	88.0000	3145.2293	56875.0761	100.0000	1.2401	8985.3220
Lovex S070	57.4939	96.0000	3143.5206	56875.0761	99.3938	1.2445	9439.7368
Hodgdon H380	55.0236	89.0000	3142.2132	56875.0761	99.9735	1.2433	9203.3554
Hodgdon H4350	58.4082	98.0000	3140.7721	56875.0761	98.8923	1.2280	9391.3994
IMR 4350	58.2791	96.0000	3140.1944	56875.0761	98.9579	1.2282	9374.8990
Vihtavuori N560	62.1642	100.0000	3134.2542	49194.7079	94.9900	1.2955	10658.7312
Bofors RP3	54.6534	89.0000	3133.7624	56875.0761	100.0000	1.2547	8851.2293
Norma 203 old	54.6534	89.0000	3133.7624	56875.0761	100.0000	1.2547	8851.2293
PB Clermont PCL 516	55.2973	85.0000	3133.4528	56875.0761	99.9652	1.2339	9090.5924
Somchem S385	61.5029	100.0000	3132.6395	54597.9399	98.6774	1.2644	9687.3781
IMR 4320	53.3078	89.0000	3131.6315	56875.0761	100.0000	1.2238	8742.4792
Rottweil R903	54.6873	91.0000	3128.1985	56875.0761	100.0000	1.2545	8779.1321
ReloadSwiss RS 50	55.9656	88.0000	3125.0226	56875.0761	99.5545	1.2375	9163.2116
Somchem S355	54.1074	91.0000	3123.1549	56875.0761	100.0000	1.2479	8783.9008
SNPE Vectan SP 9	53.4277	85.0000	3121.3142	56875.0761	100.0000	1.2347	8763.6903
Lovex S065	56.1458	94.0000	3119.9853	56875.0761	99.8074	1.2448	9102.1689
Rottweil R907	55.6818	93.0000	3119.9608	56875.0761	98.9135	1.2389	9267.1785
Bofors RP7	55.6818	93.0000	3119.9608	56875.0761	98.9135	1.2389	9267.1785
IMR 4007 SSC	55.7241	90.0000	3119.2413	56875.0761	98.9113	1.2391	9260.6037
ADI AR 2213	61.5029	100.0000	3118.8333	50321.3149	95.5132	1.2751	10270.9547
Raufoss RA15	61.5029	100.0000	3110.7442	48713.3425	96.9463	1.3065	10346.9503
Alliant Reloder-22	61.5029	100.0000	3110.7442	48713.3425	96.9463	1.3065	10346.9503
Somchem S361	63.8275	98.0000	3108.2046	56875.0761	96.3431	1.2388	9412.2449
Hodgdon H4831 SC	61.5029	100.0000	3103.9699	52791.7640	95.4644	1.2594	9783.3012
IMR 4064	51.9034	90.0000	3103.8326	56875.0761	100.0000	1.2333	8584.8290
Accurate MAGPRO	64.6772	100.0000	3099.1602	48063.8515	92.9540	1.3163	10593.5245
IMR 3031	49.0885	86.0000	3097.2132	56875.0761	100.0000	1.2450	8126.5894
Lovex S062	52.1161	88.0000	3096.2408	56875.0761	100.0000	1.2490	8440.8403
Accurate 4064	52.5360	88.0000	3087.9077	56875.0761	100.0000	1.2776	8288.2444
Norma 201	50.8510	85.0000	3087.2077	56875.0761	100.0000	1.2514	8406.8159
Rottweil R902	51.0812	87.0000	3078.0209	56875.0761	100.0000	1.2526	8303.9470
Vihtavuori N150	55.0601	96.0000	3077.7309	56875.0761	100.0000	1.2475	8270.0678
Vihtavuori N540	53.4631	87.0000	3075.2105	56875.0761	100.0000	1.2469	8266.3622
Ramshot Magnum	66.2644	100.0000	3069.2520	47840.8754	97.3534	1.3116	9968.3282
Accurate 2700	57.4130	90.0000	3066.4232	56875.0761	98.7579	1.2440	8736.8803
Vihtavuori N135	50.7916	92.0000	3033.3296	56875.0761	100.0000	1.2579	7632.6096
Rottweil R905	60.3786	100.0000	3031.0924	46966.6152	94.2691	1.3310	9854.9330
Alliant Reloder-23	59.5189	100.0000	3027.9800	44536.6584	99.9292	1.3623	9520.1415
Winchester WXR	60.1802	100.0000	3023.5944	44707.3157	95.6786	1.3593	10087.8059
Bofors RP15	60.1802	100.0000	3023.5944	44707.3157	95.6786	1.3593	10087.8059
Accurate 3100	60.8415	100.0000	3015.6226	48316.8874	98.8598	1.3508	9306.0181
SNPE Vectan SP 12	64.9417	100.0000	3004.3643	43601.3786	94.1803	1.3644	10235.0245
PB Clermont PCL 517	64.9417	100.0000	2998.1394	43357.5444	93.9497	1.3680	10225.4225
Hodgdon H4831	59.1221	100.0000	2977.6146	46376.1054	93.6201	1.3355	9394.9884
IMR 7828	59.1221	100.0000	2975.1044	42990.9034	93.2059	1.3719	9887.5463